

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051990.D
 Acq On : 20 Nov 2022 22:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050128

Quant Time: Nov 21 01:04:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	488854	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	482901	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	235317	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	91619	38.176	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.360%
7) Chloroethane-d5	1.906	69	99324	41.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.620%
11) 1,1-Dichloroethene-d2	2.568	63	182167	42.328	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.660%
21) 2-Butanone-d5	4.616	46	261807	95.935	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.940%
24) Chloroform-d	5.060	84	269489	44.794	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.580%
26) 1,2-Dichloroethane-d4	5.700	65	163416	44.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.740%
32) Benzene-d6	5.726	84	471307	46.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.620%
36) 1,2-Dichloropropane-d6	6.687	67	176406	47.068	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.140%
41) Toluene-d8	7.896	98	391034	47.315	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.640%
43) trans-1,3-Dichloroprop...	8.176	79	66454	44.516	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.040%
47) 2-Hexanone-d5	8.629	63	193838	101.765	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.770%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	349399	47.900	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	197173	47.613	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	127499	42.482	ug/L	99
3) Chloromethane	1.526	50	186725	46.849	ug/L	100
5) Vinyl chloride	1.604	62	189537	45.846	ug/L	100
6) Bromomethane	1.845	94	106292	59.344	ug/L	99
8) Chloroethane	1.928	64	126139	46.929	ug/L	100
9) Trichlorofluoromethane	2.134	101	224026	45.261	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	135846	43.549	ug/L	99
12) 1,1-Dichloroethene	2.578	96	138262	47.459	ug/L	96
13) Acetone	2.620	43	174920	59.910	ug/L	97
14) Carbon disulfide	2.790	76	351832	43.591	ug/L	100
15) Methyl Acetate	2.944	43	190330	47.816	ug/L	99
16) Methylene chloride	3.044	84	193769	41.664	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	150035	47.788	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	498165	51.267	ug/L	99
19) 1,1-Dichloroethane	3.867	63	310978	48.668	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	184731	50.417	ug/L	99
22) 2-Butanone	4.694	43	274039	83.106	ug/L	99
23) Bromochloromethane	4.973	128	98622	48.775	ug/L	98
25) Chloroform	5.086	83	320974	48.142	ug/L	98

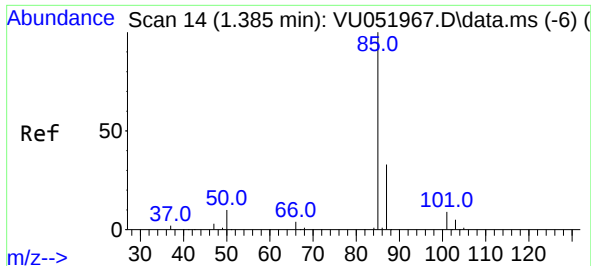
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	239276	48.565	ug/L	100
29) Cyclohexane	5.388	56	209688	50.895	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	241557	49.477	ug/L	99
31) Carbon tetrachloride	5.523	117	193848	47.493	ug/L	99
33) Benzene	5.771	78	715272	51.493	ug/L	100
34) Trichloroethene	6.539	95	165044	50.153	ug/L	99
35) Methylcyclohexane	6.761	83	213346	47.812	ug/L	100
37) 1,2-Dichloropropane	6.787	63	195922	49.810	ug/L	99
38) Bromodichloromethane	7.102	83	242767	49.333	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	248551	48.307	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	541123	104.471	ug/L	99
42) Toluene	7.967	91	757305	53.005	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	239675	48.613	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	198835	49.745	ug/L	99
46) Tetrachloroethene	8.549	164	120647	45.906	ug/L	96
48) 2-Hexanone	8.681	43	437257	98.292	ug/L	99
49) Dibromochloromethane	8.806	129	196227	47.613	ug/L	97
50) 1,2-Dibromoethane	8.922	107	202397	50.300	ug/L	99
51) Chlorobenzene	9.443	112	481656	49.336	ug/L	100
52) Ethylbenzene	9.568	91	760049	51.981	ug/L	99
53) m,p-Xylene	9.690	106	300186	53.038	ug/L	97
54) o-Xylene	10.098	106	312872	54.313	ug/L	98
55) Styrene	10.111	104	538350	54.162	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	367016	48.592	ug/L	99
59) Bromoform	10.288	173	154781	48.513	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	275092	48.871	ug/L	99
61) Isopropylbenzene	10.481	105	750707	54.584	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	607935	54.247	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	610007	55.713	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	352669	50.594	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	351616	49.811	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	376946	50.855	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	69986	48.561	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	224373	48.518	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	182803	49.870	ug/L	100
71) Naphthalene	14.082	128	701247	58.168	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	215951	53.826	ug/L	98

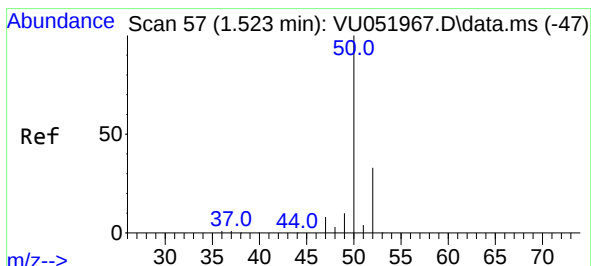
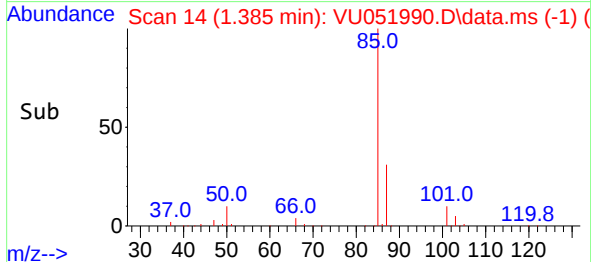
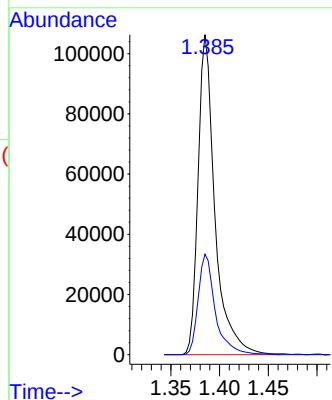
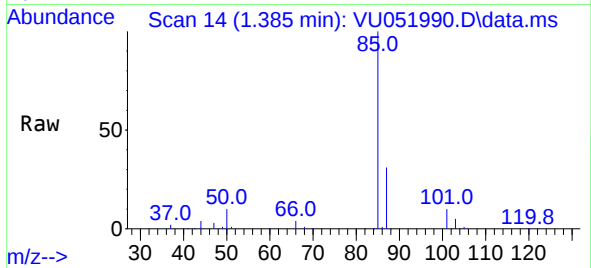
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#2
Dichlorodifluoromethane
Concen: 42.482 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

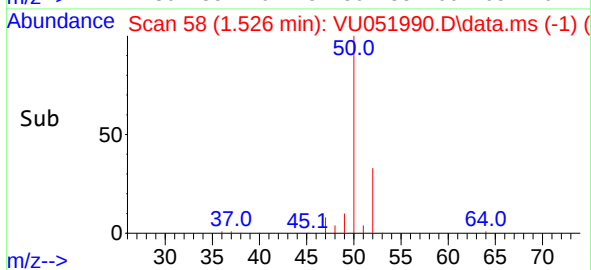
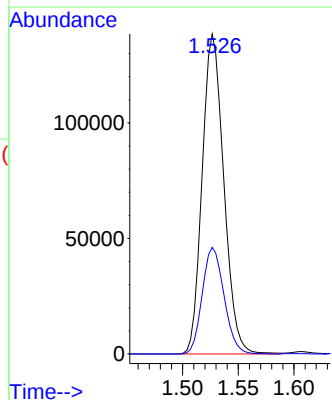
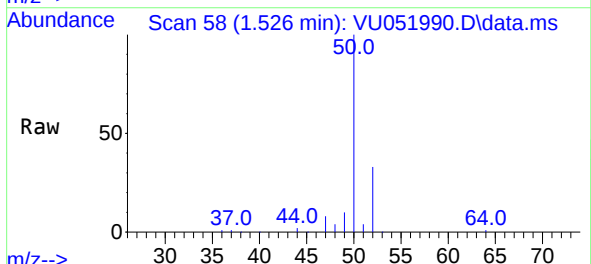
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

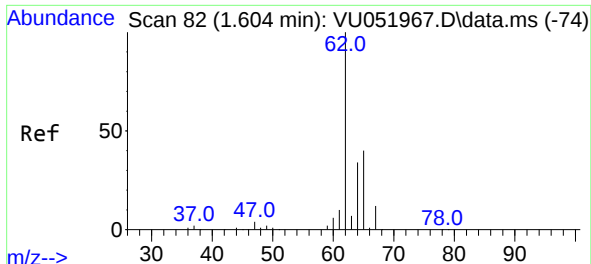
Tgt Ion: 85 Resp: 127499
Ion Ratio Lower Upper
85 100
87 32.1 26.0 39.0



#3
Chloromethane
Concen: 46.849 ug/L
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 50 Resp: 186725
Ion Ratio Lower Upper
50 100
52 33.3 23.4 43.6

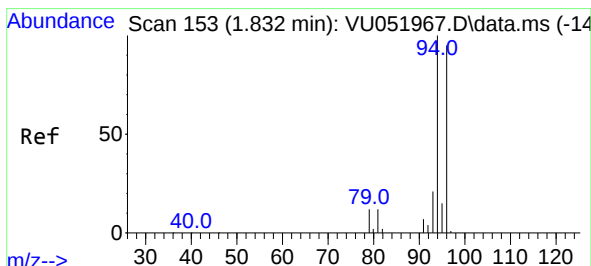
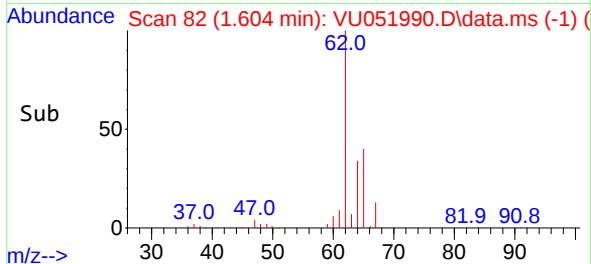
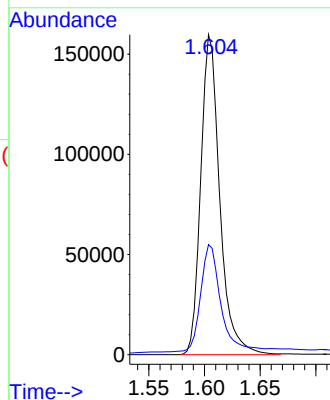
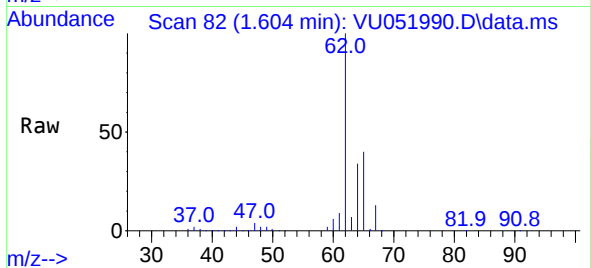




#5
 Vinyl chloride
 Concen: 45.846 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051990.D
 Acq: 20 Nov 2022 22:08

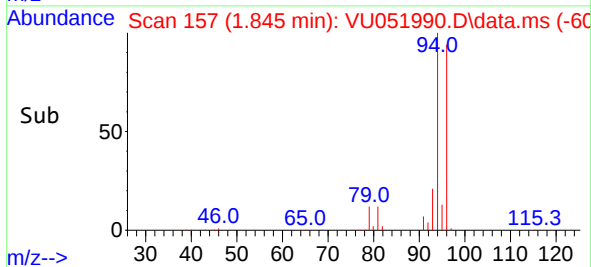
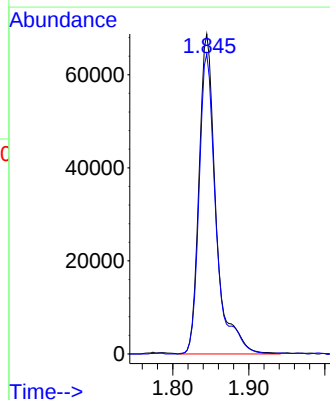
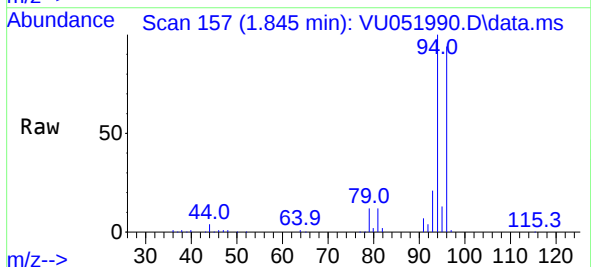
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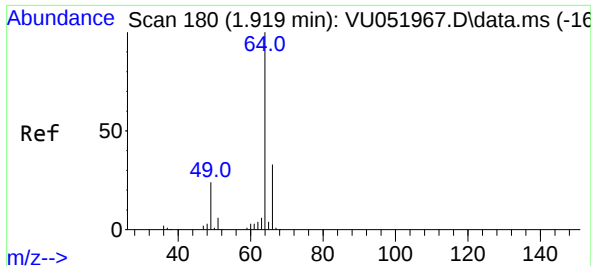
Tgt Ion: 62 Resp: 189537
 Ion Ratio Lower Upper
 62 100
 64 34.4 24.3 45.1



#6
 Bromomethane
 Concen: 59.344 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.013 min
 Lab File: VU051990.D
 Acq: 20 Nov 2022 22:08

Tgt Ion: 94 Resp: 106292
 Ion Ratio Lower Upper
 94 100
 96 93.7 66.1 122.7

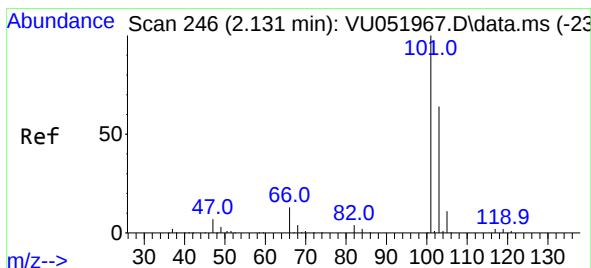
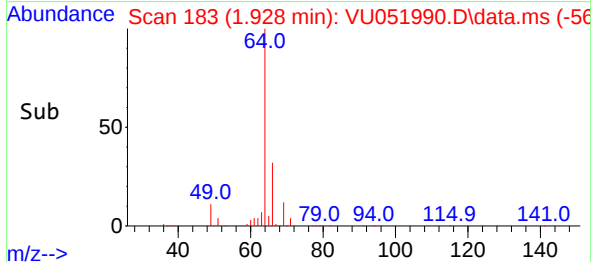
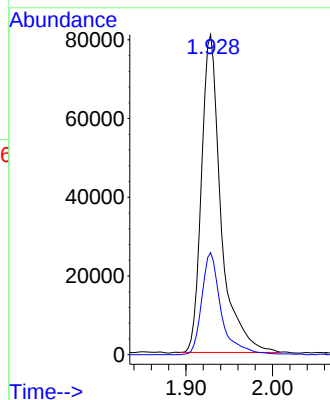
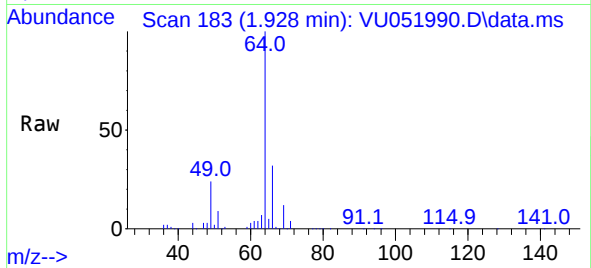




#8
Chloroethane
Concen: 46.929 ug/L
RT: 1.928 min Scan# 180
Delta R.T. 0.009 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

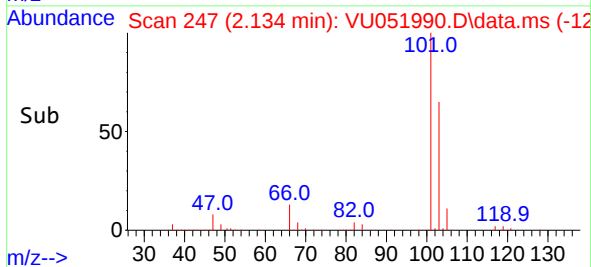
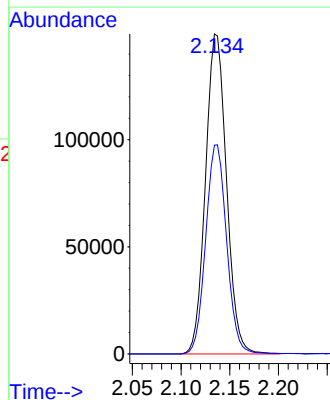
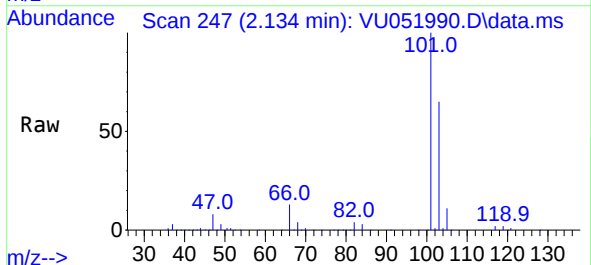
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ClientSampleId :
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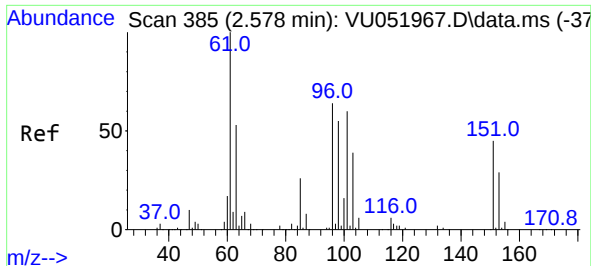
Tgt Ion: 64 Resp: 126139
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 45.261 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 101 Resp: 224026
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

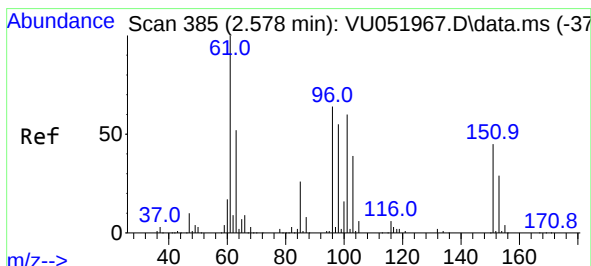
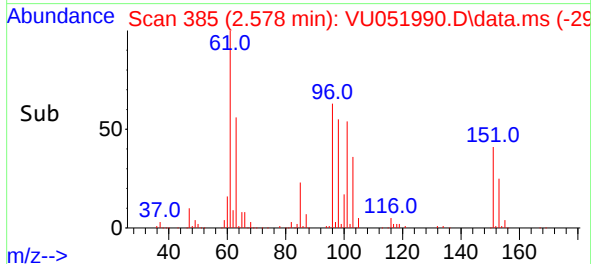
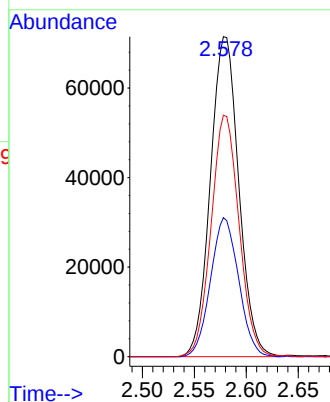
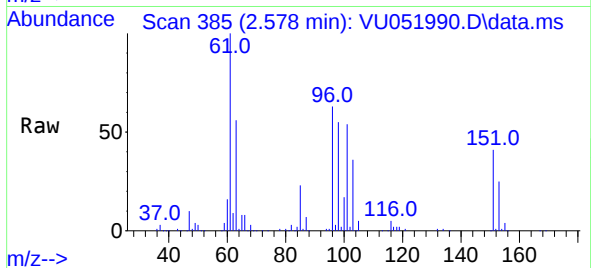




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.549 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

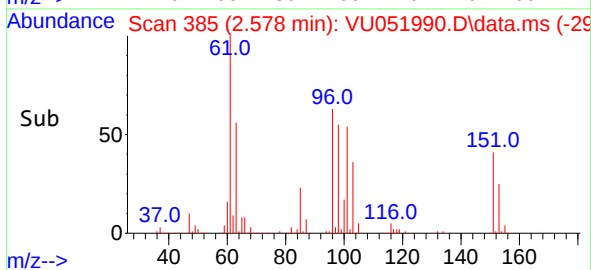
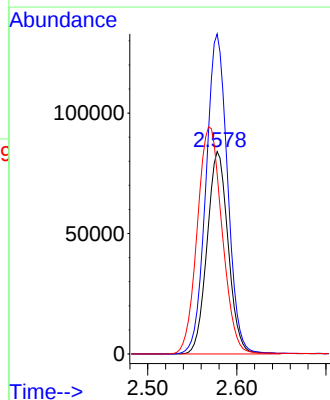
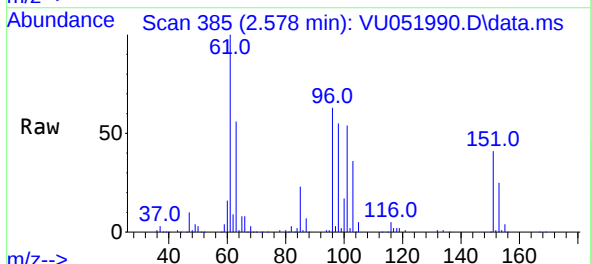
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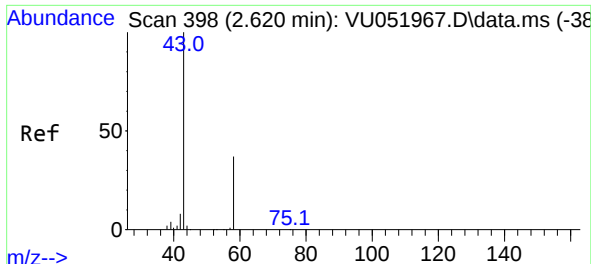
Tgt Ion:101 Resp: 135846
Ion Ratio Lower Upper
101 100
85 43.0 34.2 51.2
151 74.3 58.3 87.5



#12
1,1-Dichloroethene
Concen: 47.459 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 96 Resp: 138262
Ion Ratio Lower Upper
96 100
61 158.0 110.7 205.5
63 89.0 68.6 127.4





#13

Acetone

Concen: 59.910 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

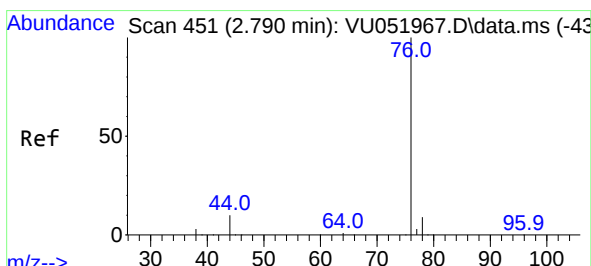
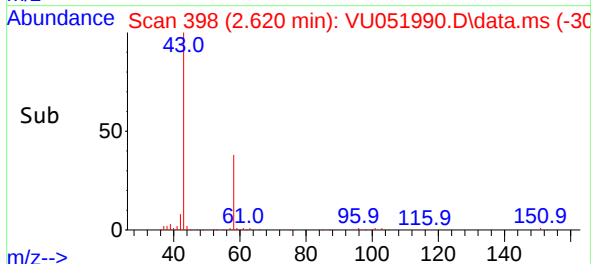
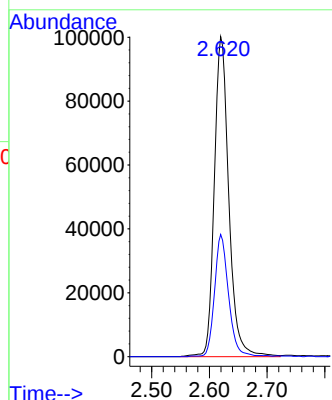
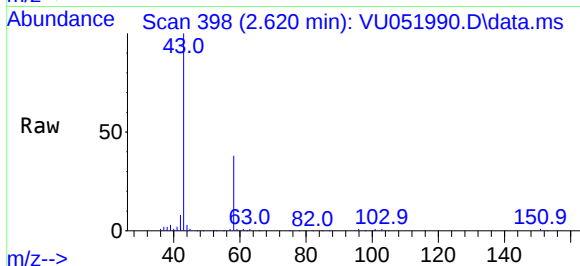
VSTD050128

Tgt Ion: 43 Resp: 174920

Ion Ratio Lower Upper

43 100

58 36.2 0.0 75.4



#14

Carbon disulfide

Concen: 43.591 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051990.D

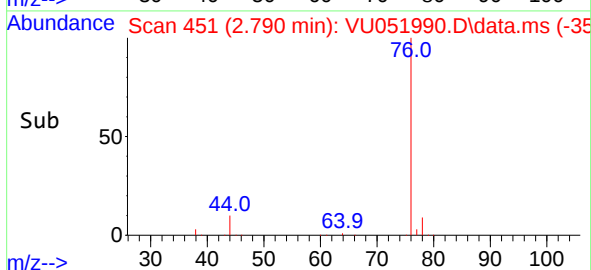
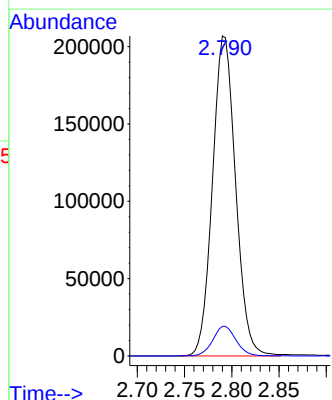
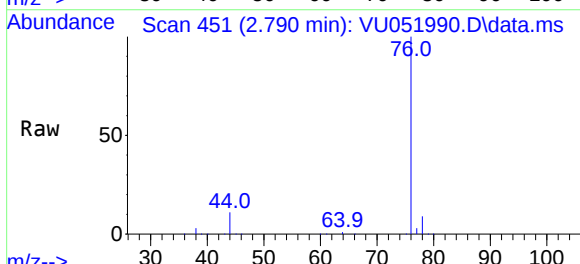
Acq: 20 Nov 2022 22:08

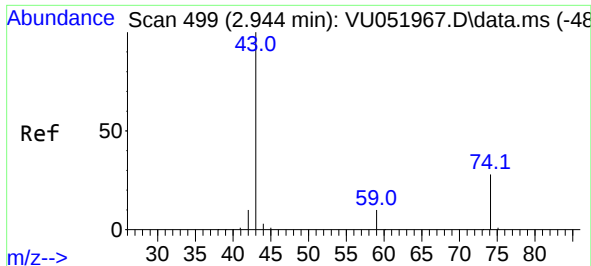
Tgt Ion: 76 Resp: 351832

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

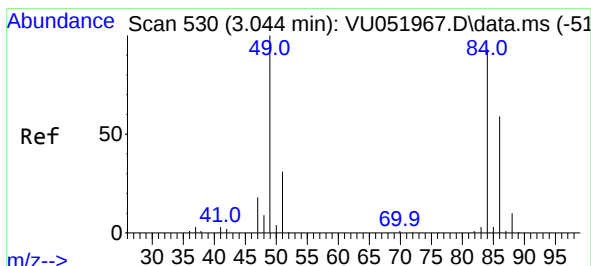
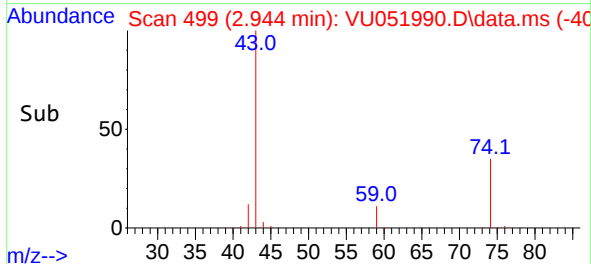
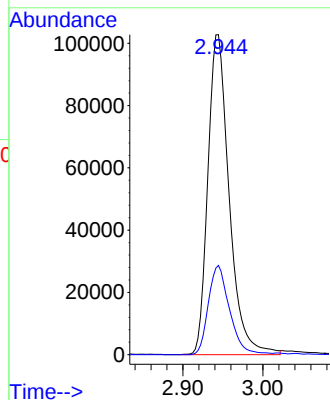
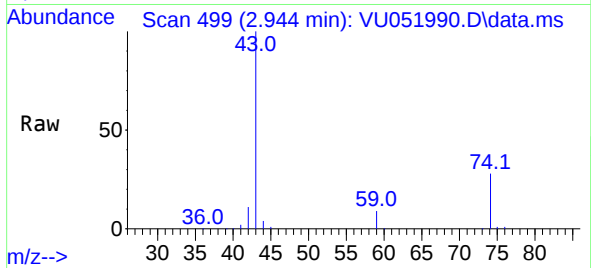




#15
Methyl Acetate
Concen: 47.816 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

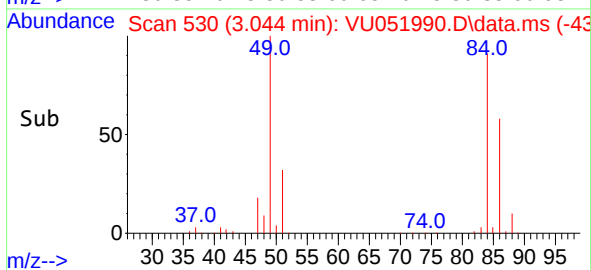
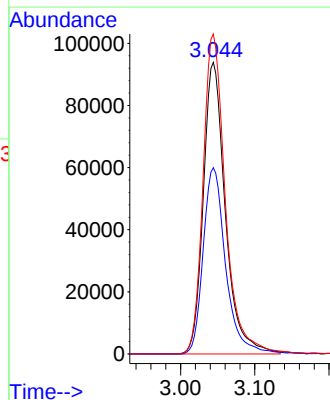
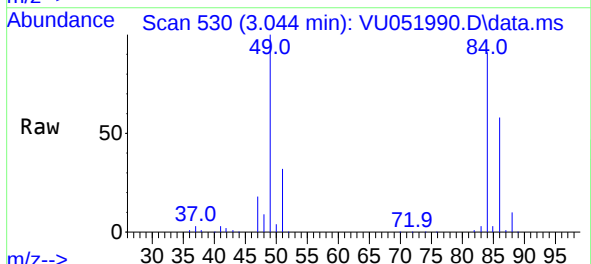
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

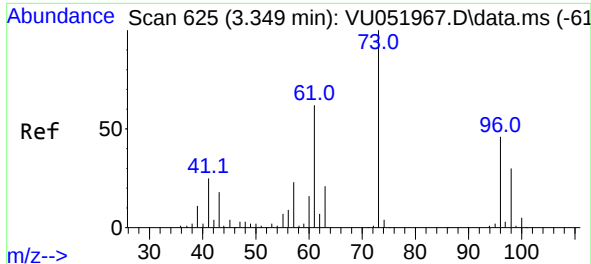
Tgt Ion: 43 Resp: 190330
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.8



#16
Methylene chloride
Concen: 41.664 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 84 Resp: 193769
Ion Ratio Lower Upper
84 100
86 63.9 44.7 82.9
49 109.7 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 47.788 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050128

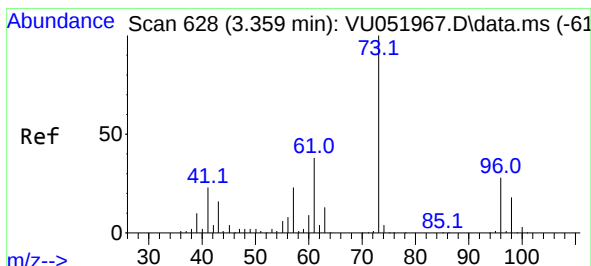
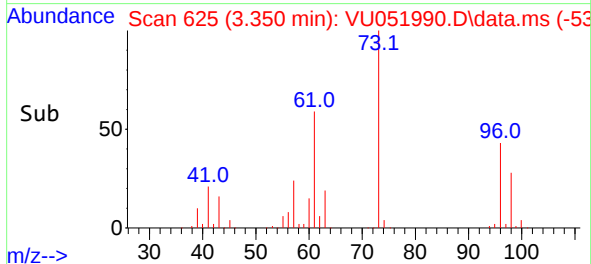
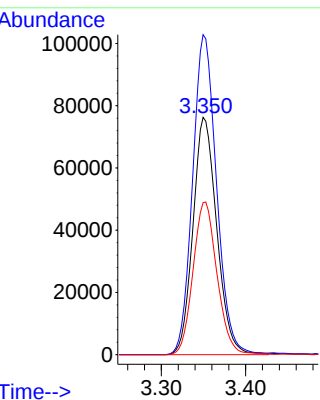
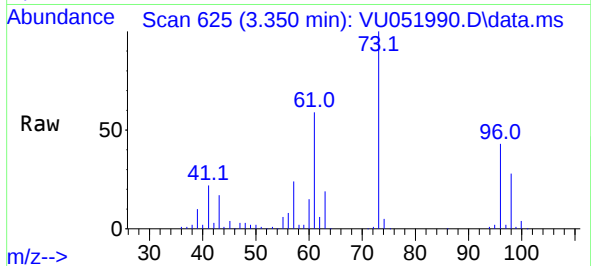
Tgt Ion: 96 Resp: 150035

Ion Ratio Lower Upper

96 100

61 134.9 98.3 182.7

98 64.1 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 51.267 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

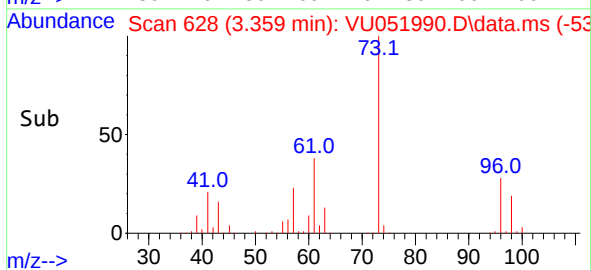
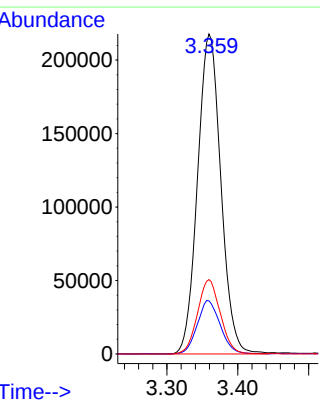
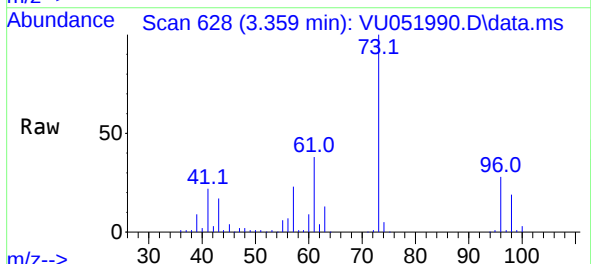
Tgt Ion: 73 Resp: 498165

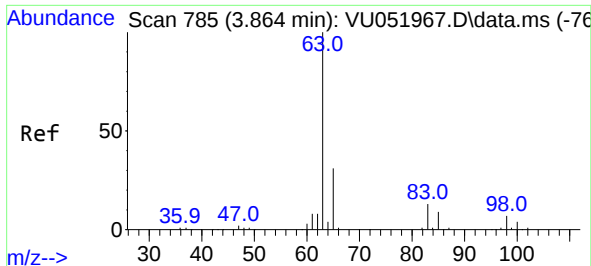
Ion Ratio Lower Upper

73 100

43 16.5 13.4 20.0

57 22.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 48.668 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050128

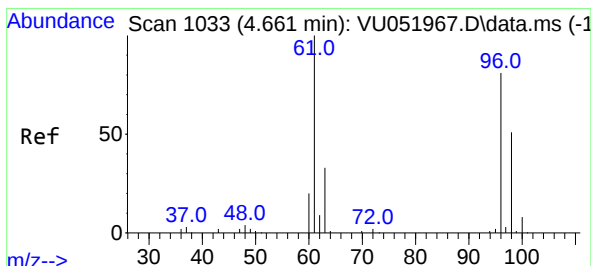
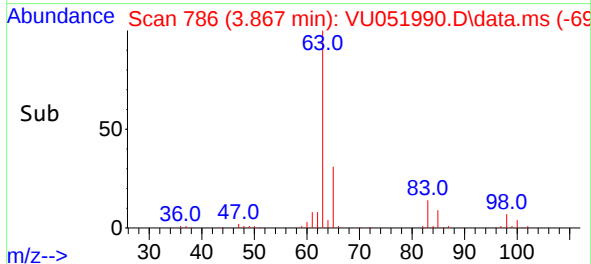
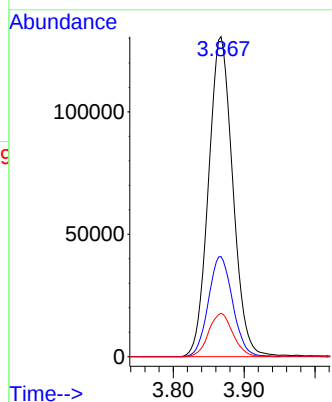
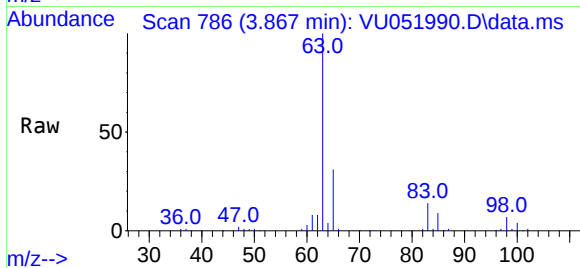
Tgt Ion: 63 Resp: 310978

Ion Ratio Lower Upper

63 100

65 31.3 22.2 41.2

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 50.417 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

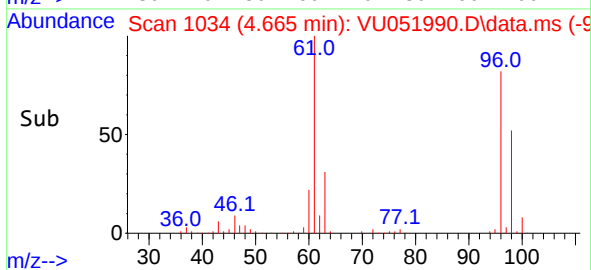
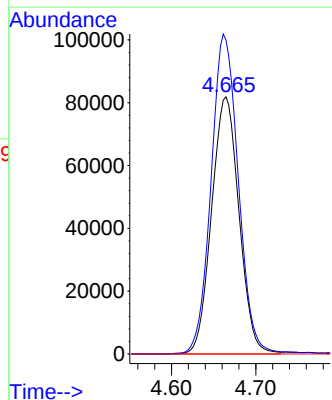
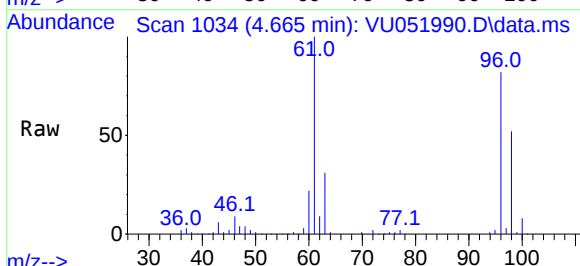
Tgt Ion: 96 Resp: 184731

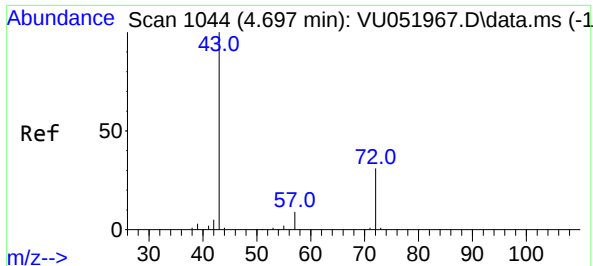
Ion Ratio Lower Upper

96 100

61 122.2 86.0 159.8

68 0.0 0.0 0.0

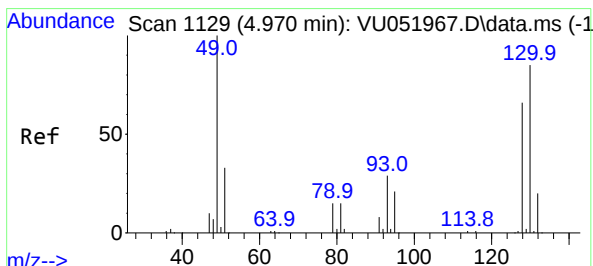
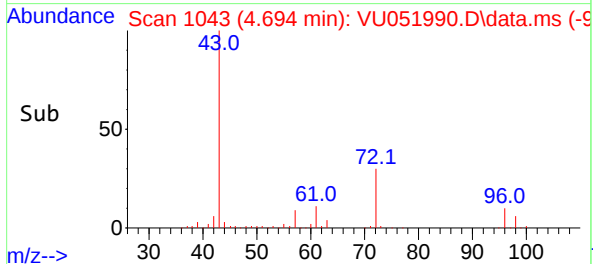
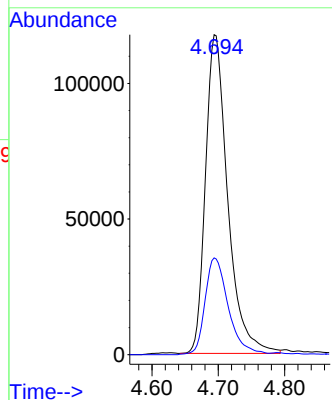
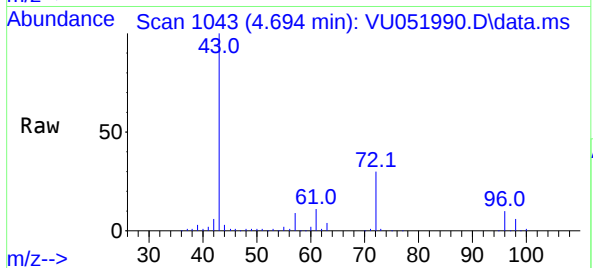




#22
2-Butanone
Concen: 83.106 ug/L
RT: 4.694 min Scan# 110
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

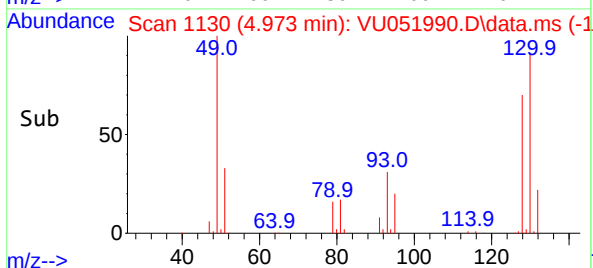
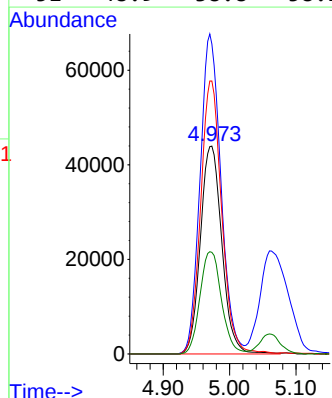
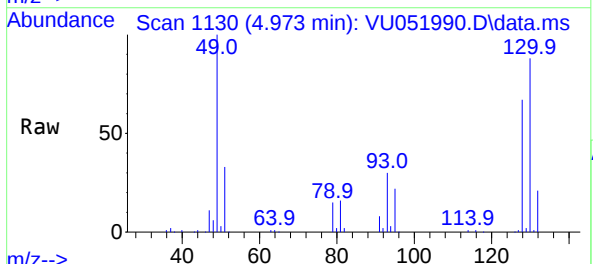
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

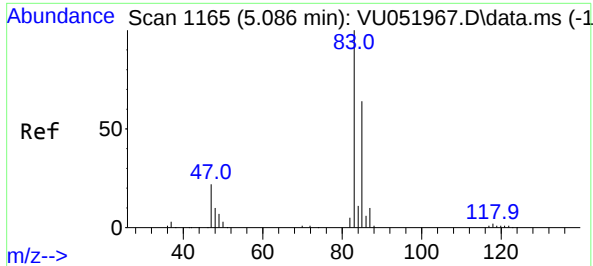
Tgt Ion: 43 Resp: 274039
Ion Ratio Lower Upper
43 100
72 31.8 15.7 47.1



#23
Bromochloromethane
Concen: 48.775 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion:128 Resp: 98622
Ion Ratio Lower Upper
128 100
49 149.2 107.2 199.0
130 131.3 92.5 171.7
51 48.9 38.8 58.2

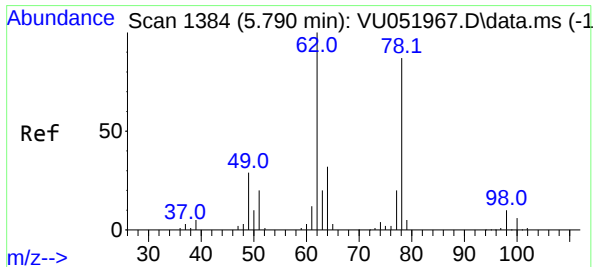
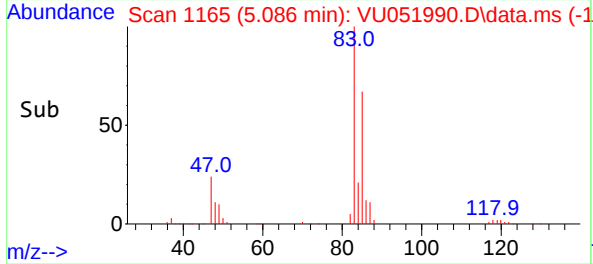
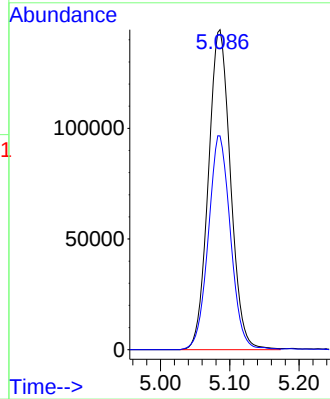
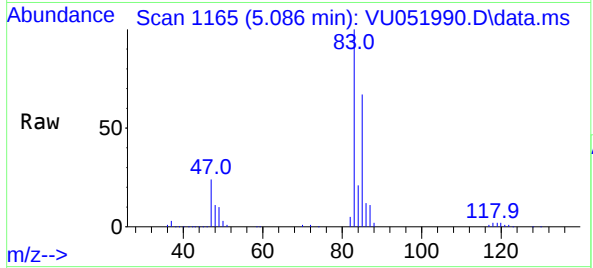




#25
Chloroform
Concen: 48.142 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

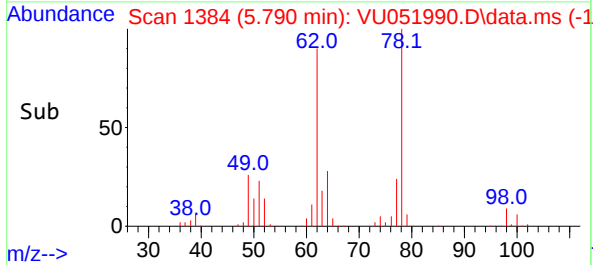
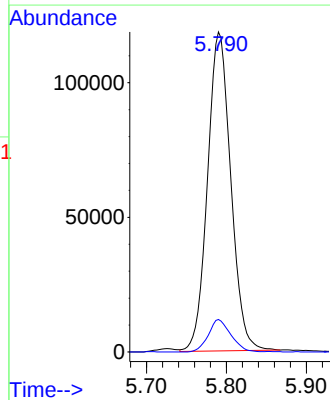
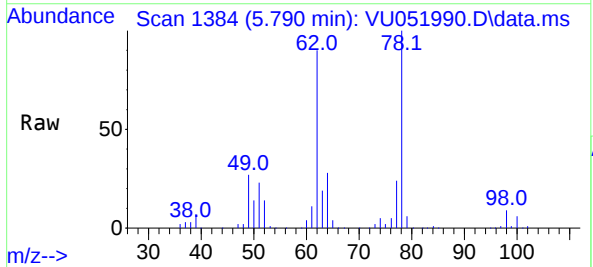
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

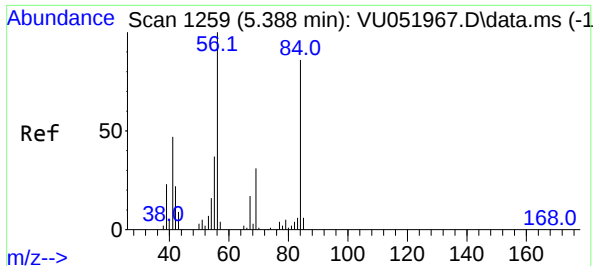
Tgt Ion: 83 Resp: 320974
Ion Ratio Lower Upper
83 100
85 66.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 48.565 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 62 Resp: 239276
Ion Ratio Lower Upper
62 100
98 10.2 8.1 12.1





#29

Cyclohexane

Concen: 50.895 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050128

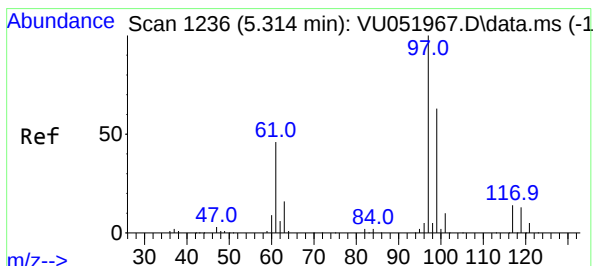
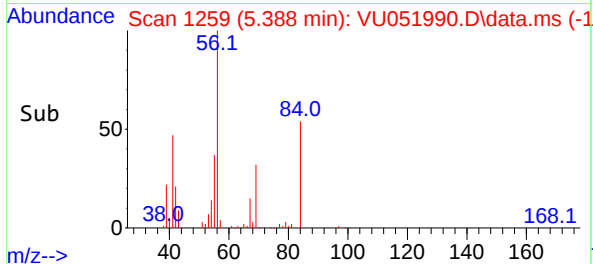
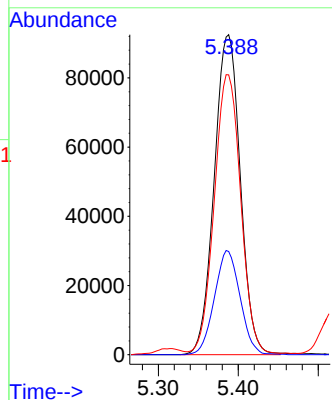
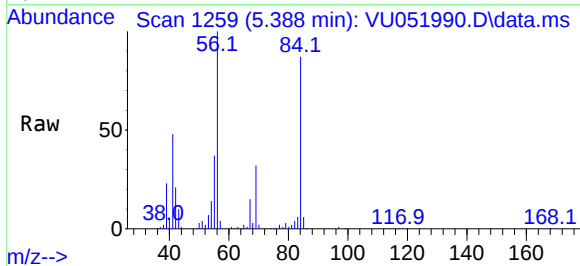
Tgt Ion: 56 Resp: 209688

Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.2

84 87.6 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 49.477 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

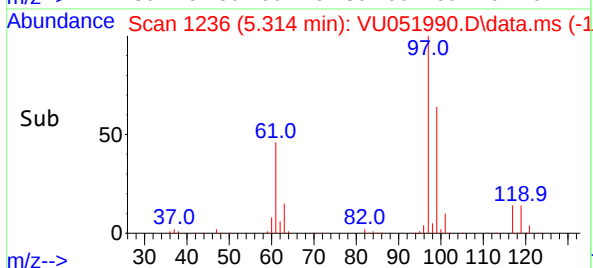
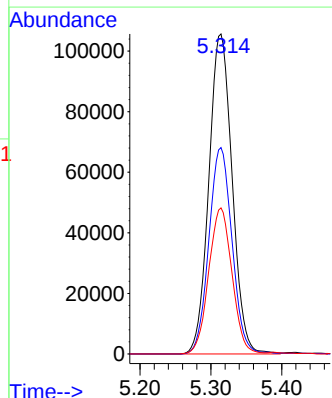
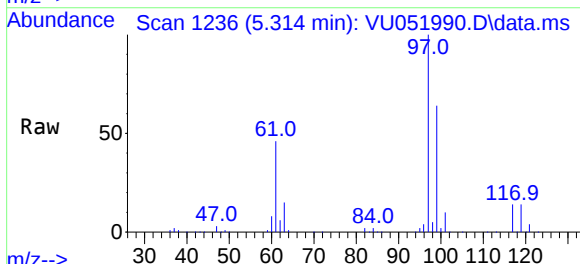
Tgt Ion: 97 Resp: 241557

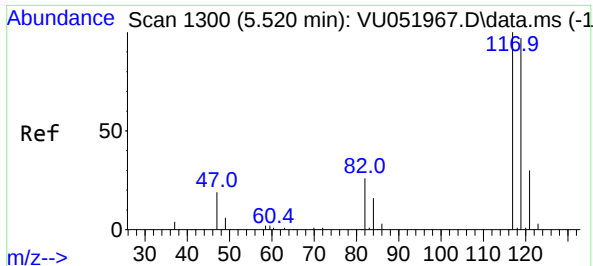
Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

61 45.6 37.4 56.2

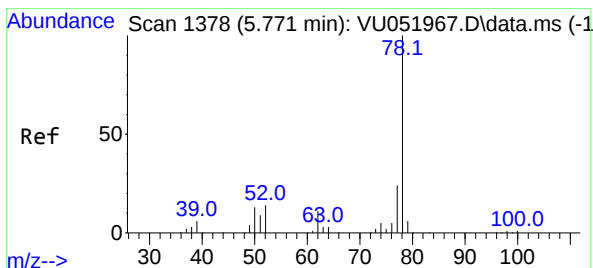
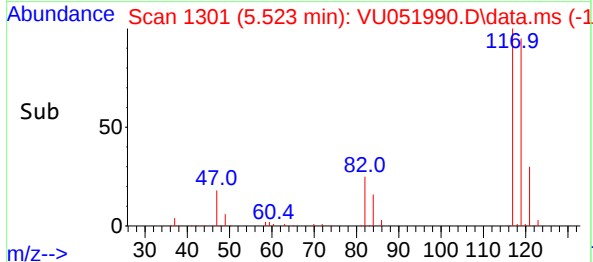
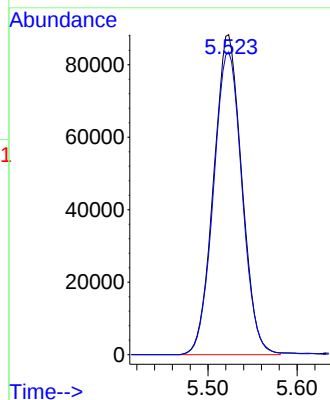
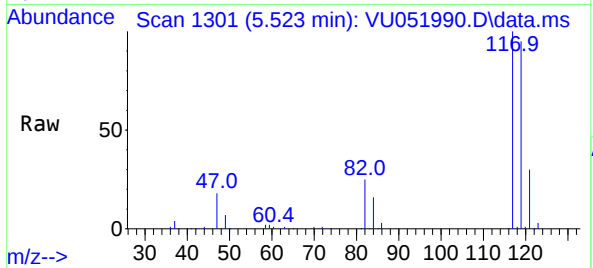




#31
Carbon tetrachloride
Concen: 47.493 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

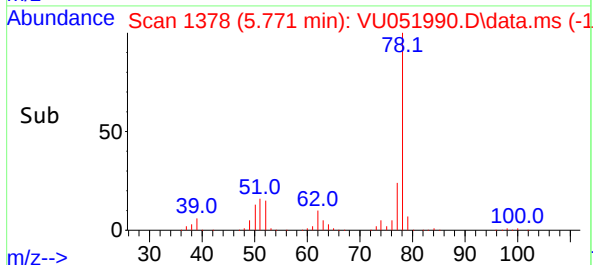
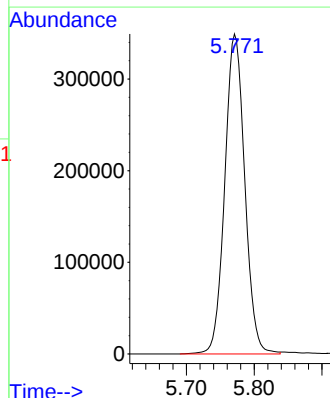
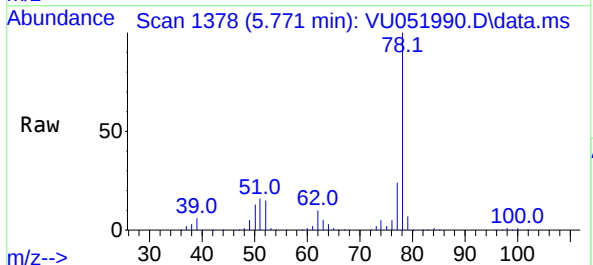
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

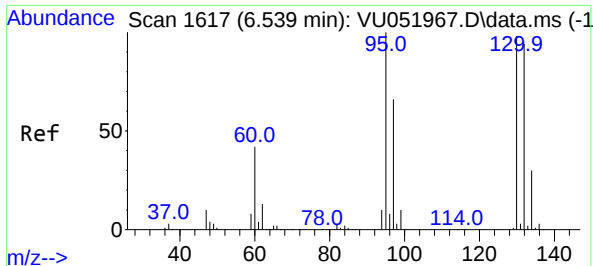
Tgt Ion:117 Resp: 193848
Ion Ratio Lower Upper
117 100
119 95.9 75.6 113.4



#33
Benzene
Concen: 51.493 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 78 Resp: 715272

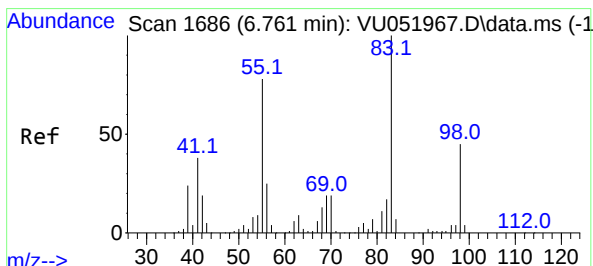
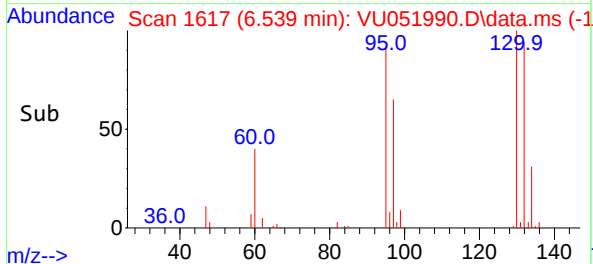
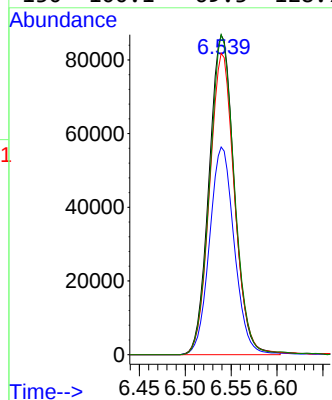
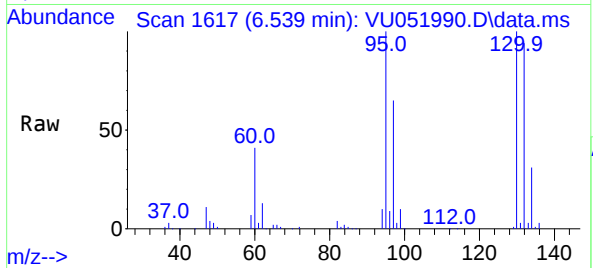




#34
Trichloroethene
Concen: 50.153 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

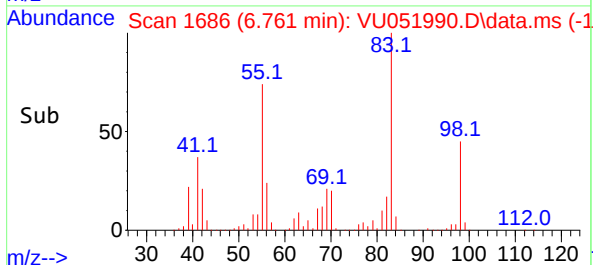
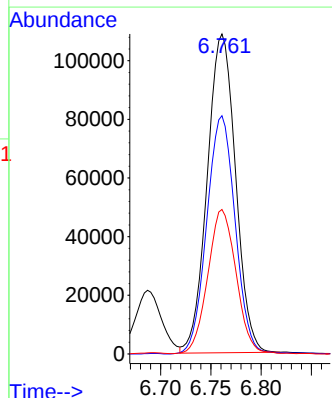
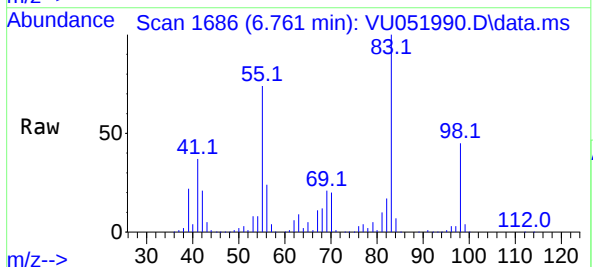
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

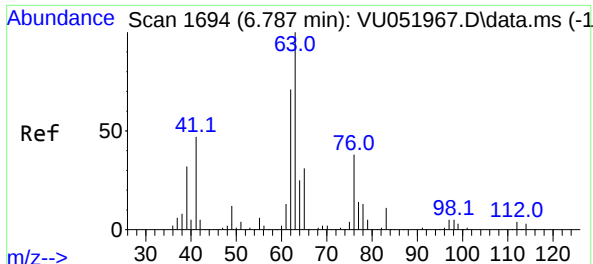
Tgt Ion: 95 Resp: 165044
Ion Ratio Lower Upper
95 100
97 65.0 45.8 85.0
132 94.3 65.3 121.3
130 100.1 69.3 128.7



#35
Methylcyclohexane
Concen: 47.812 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 83 Resp: 213346
Ion Ratio Lower Upper
83 100
55 75.0 60.0 90.0
98 45.4 35.8 53.8

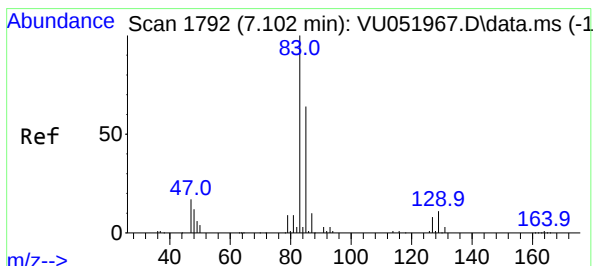
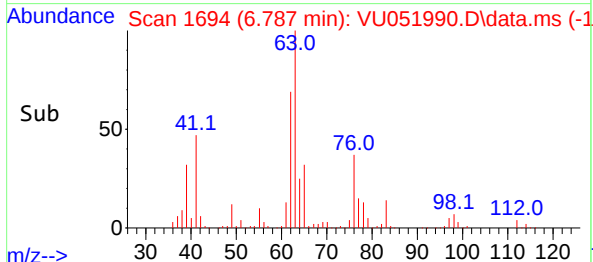
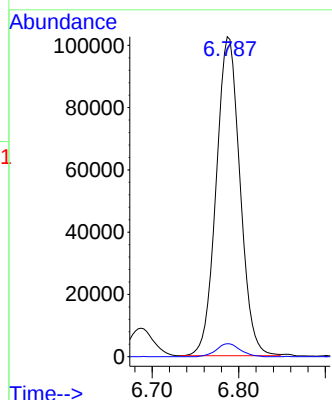
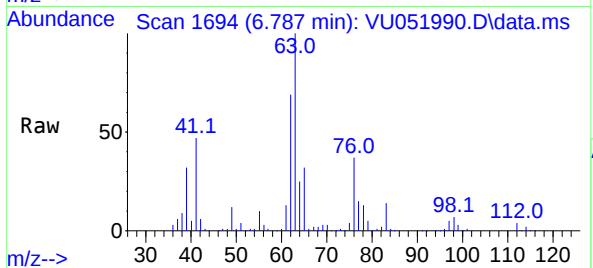




#37
1,2-Dichloropropane
Concen: 49.810 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

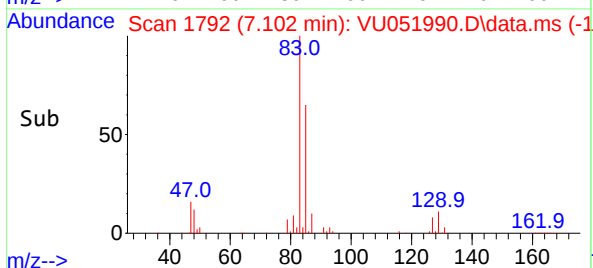
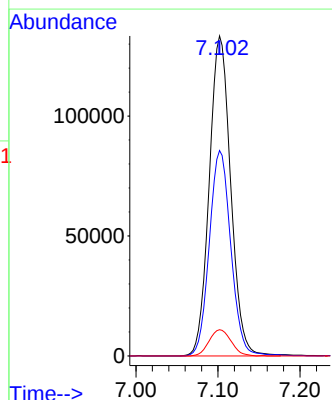
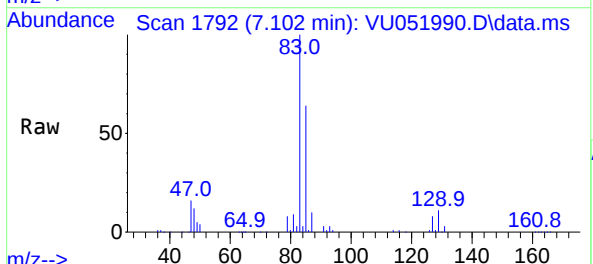
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

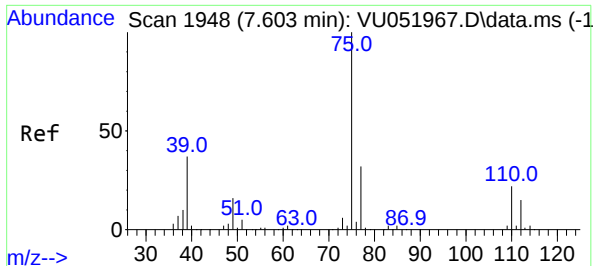
Tgt Ion: 63 Resp: 195922
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.6



#38
Bromodichloromethane
Concen: 49.333 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 83 Resp: 242767
Ion Ratio Lower Upper
83 100
85 64.2 44.6 82.8
127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 48.307 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

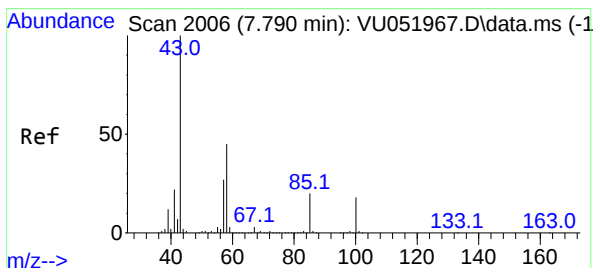
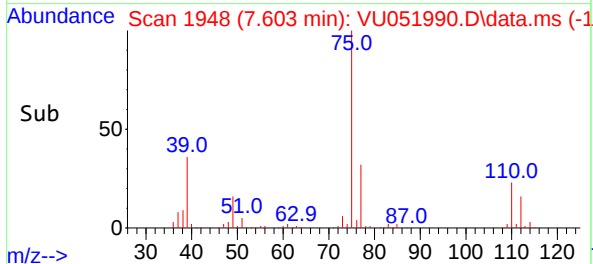
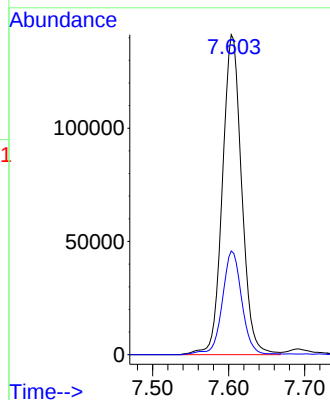
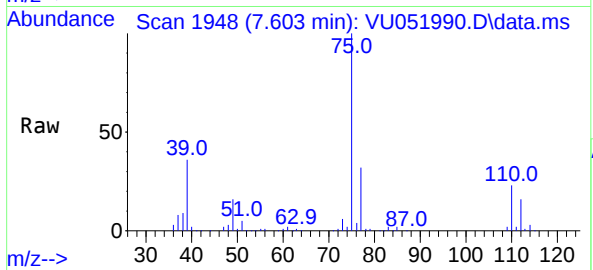
VSTD050128

Tgt Ion: 75 Resp: 248551

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 104.471 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

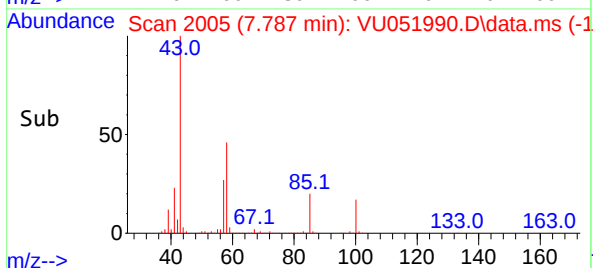
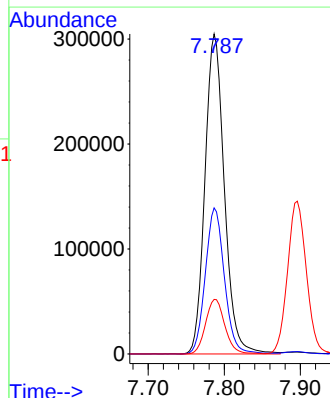
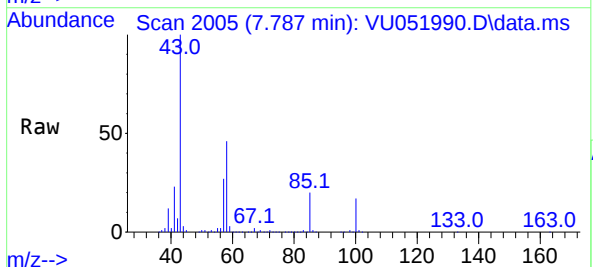
Tgt Ion: 43 Resp: 541123

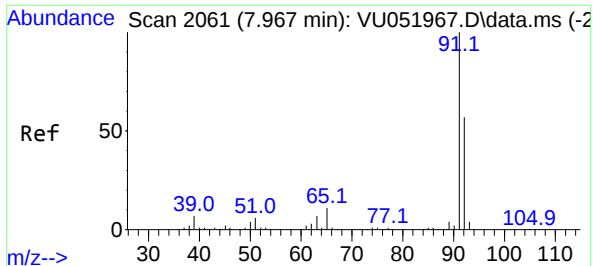
Ion Ratio Lower Upper

43 100

58 45.0 35.4 53.2

100 17.0 13.4 20.0





#42

Toluene

Concen: 53.005 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

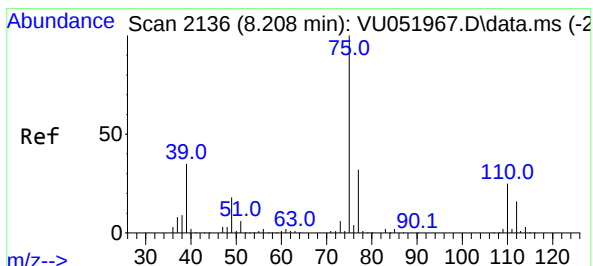
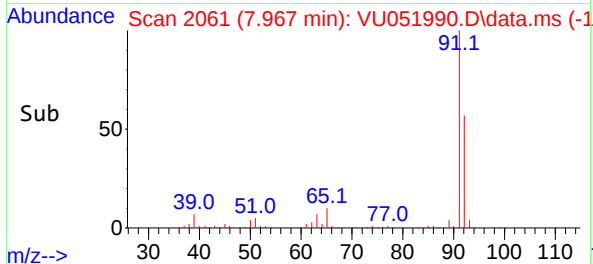
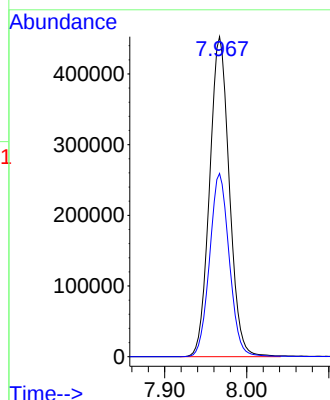
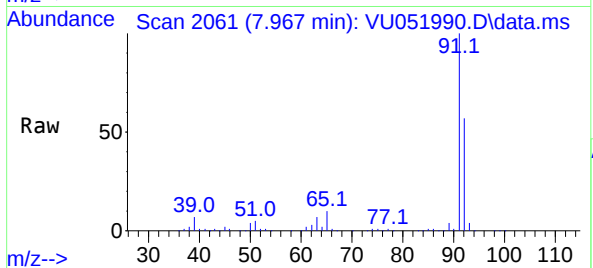
VSTD050128

Tgt Ion: 91 Resp: 757305

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 48.613 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051990.D

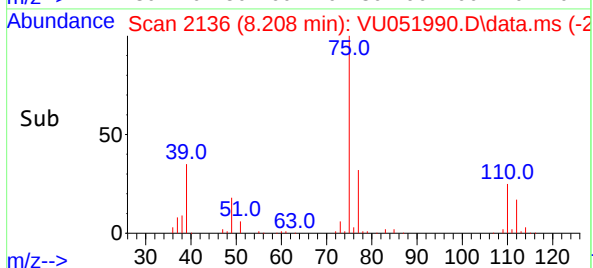
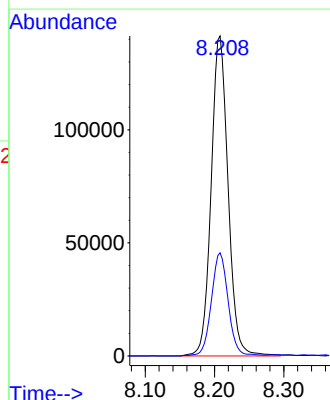
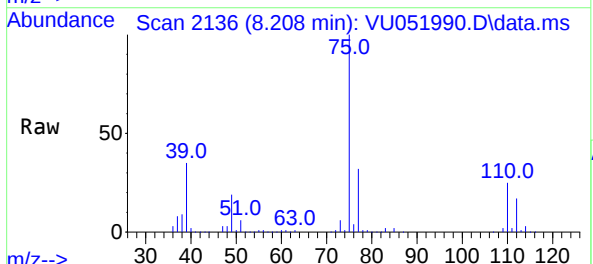
Acq: 20 Nov 2022 22:08

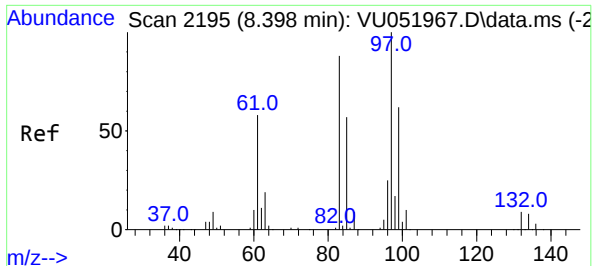
Tgt Ion: 75 Resp: 239675

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 49.745 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050128

Tgt Ion: 97 Resp: 198835

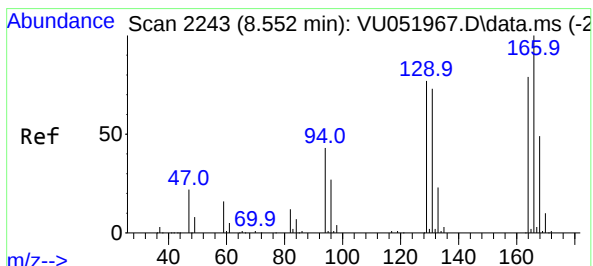
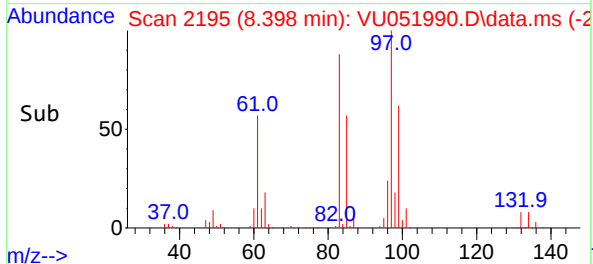
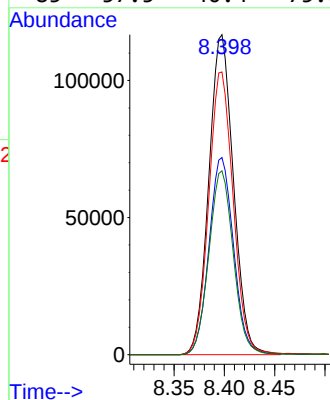
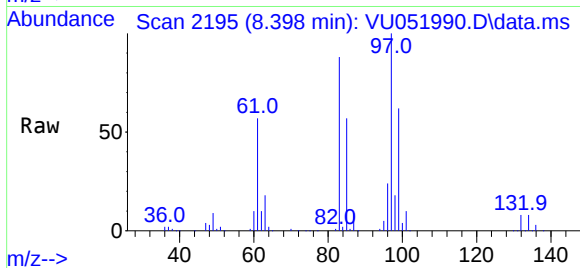
Ion Ratio Lower Upper

97 100

99 61.6 44.3 82.3

83 88.4 62.3 115.7

85 57.5 40.4 75.0



#46

Tetrachloroethene

Concen: 45.906 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.003 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Tgt Ion:164 Resp: 120647

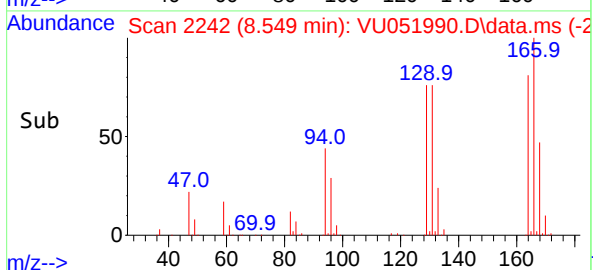
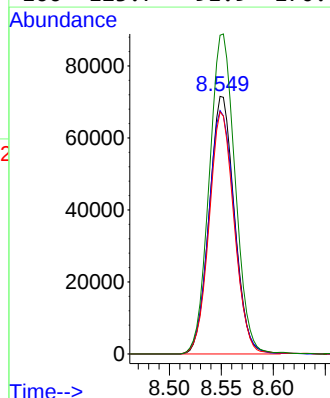
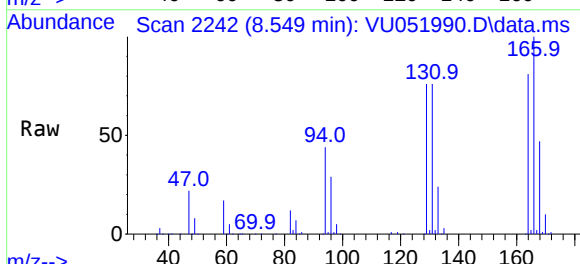
Ion Ratio Lower Upper

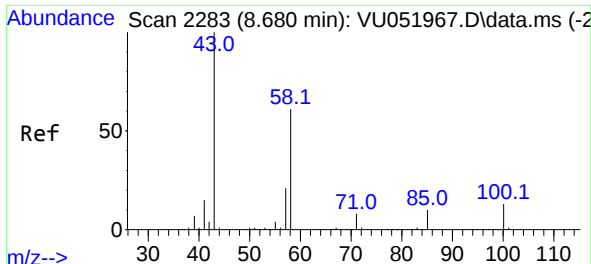
164 100

129 94.5 68.5 127.1

131 94.0 66.6 123.8

166 123.7 91.9 170.7



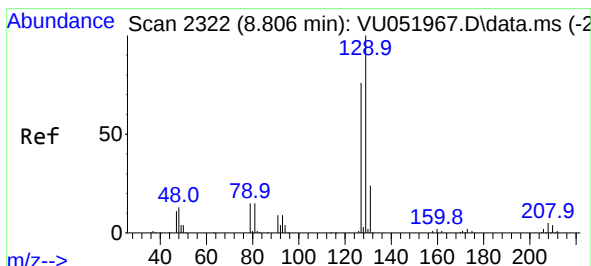
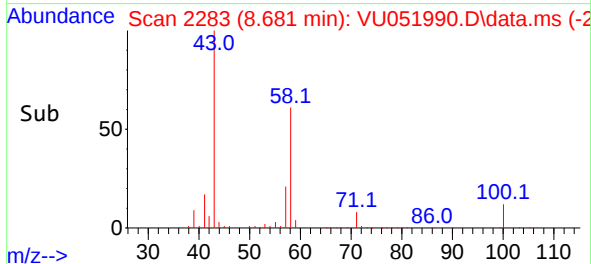
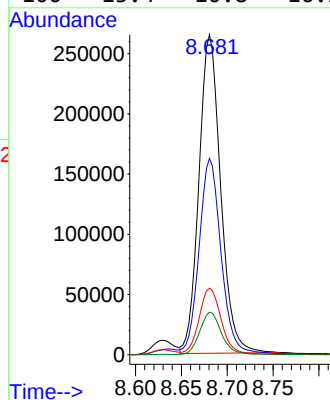
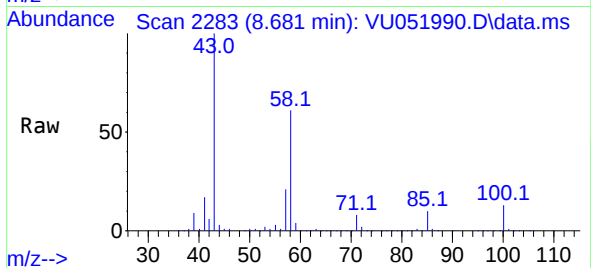


#48
2-Hexanone
Concen: 98.292 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

Tgt Ion: 43 Resp: 437257

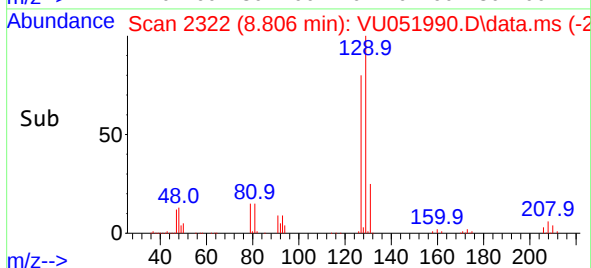
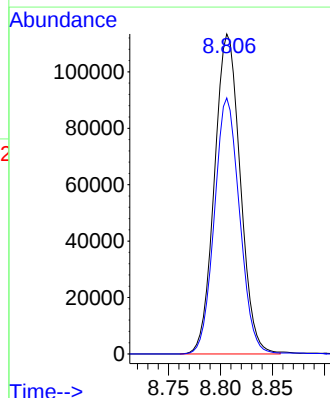
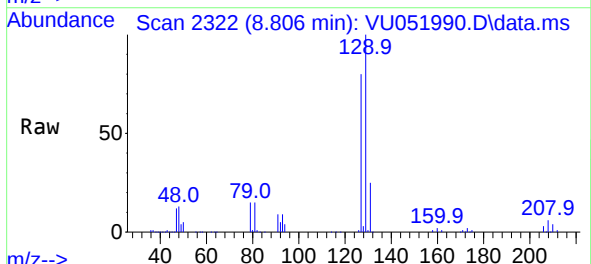
Ion	Ratio	Lower	Upper
43	100		
58	62.0	50.6	76.0
57	20.9	16.8	25.2
100	13.4	10.8	16.2

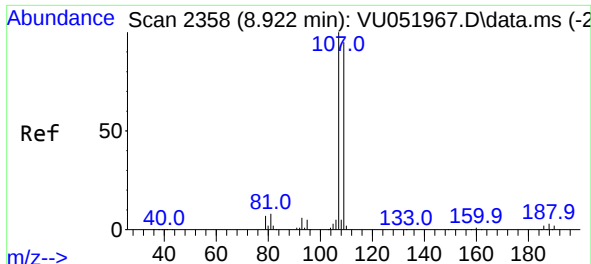


#49
Dibromochloromethane
Concen: 47.613 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 129 Resp: 196227

Ion	Ratio	Lower	Upper
129	100		
127	80.0	54.4	101.0

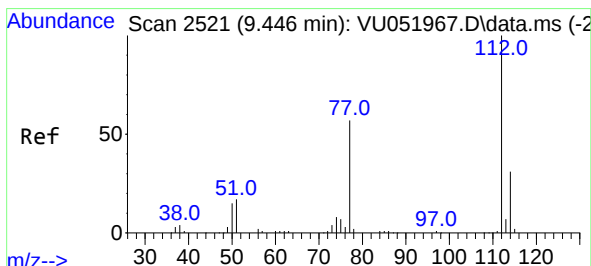
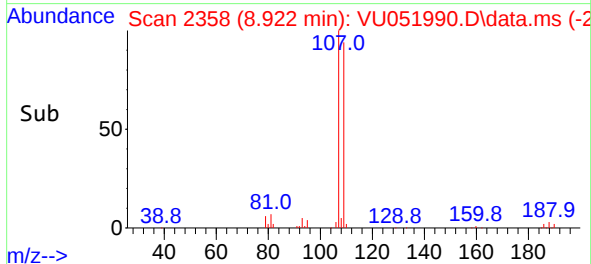
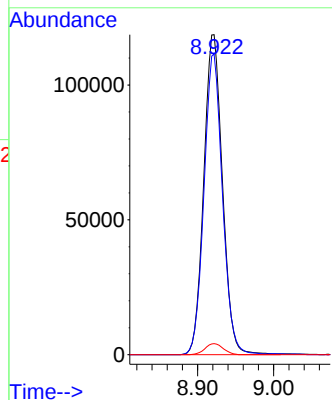
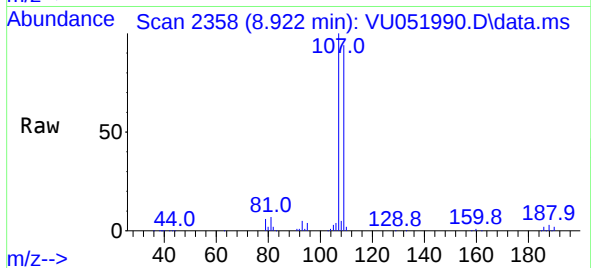




#50
1,2-Dibromoethane
Concen: 50.300 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

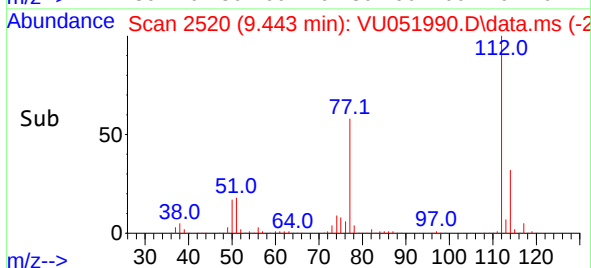
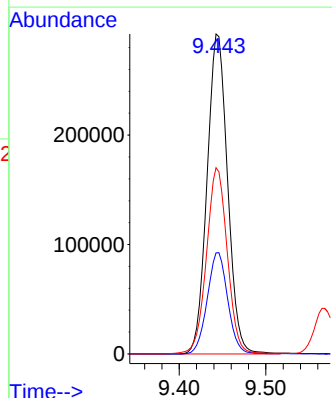
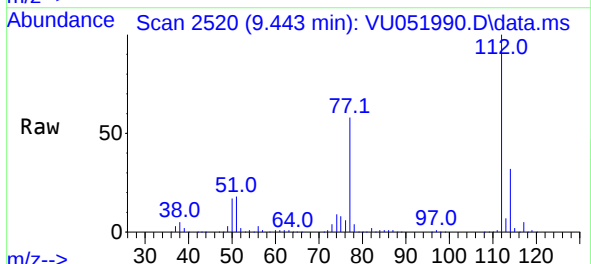
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

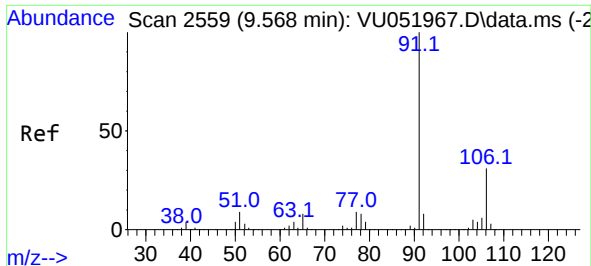
Tgt Ion:107 Resp: 202397
Ion Ratio Lower Upper
107 100
109 93.9 65.0 120.6
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 49.336 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion:112 Resp: 481656
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 58.2 46.7 70.1

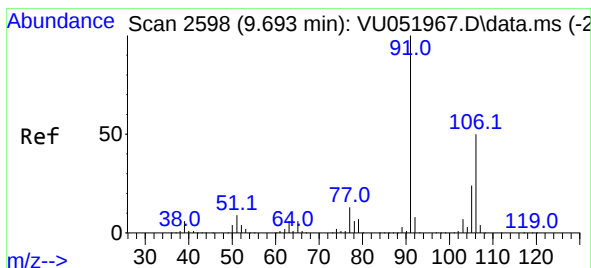
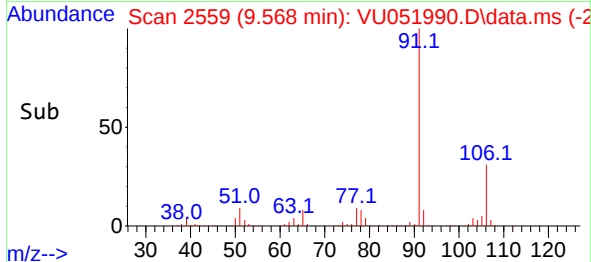
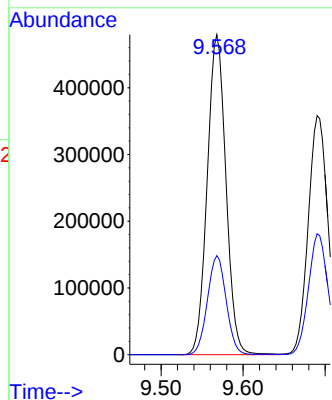
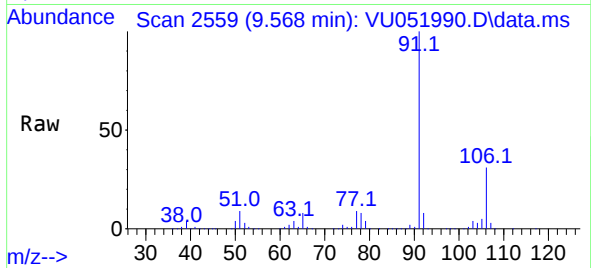




#52
Ethylbenzene
Concen: 51.981 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

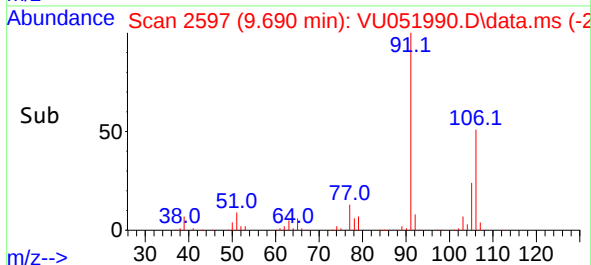
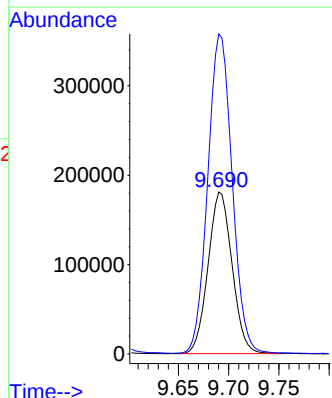
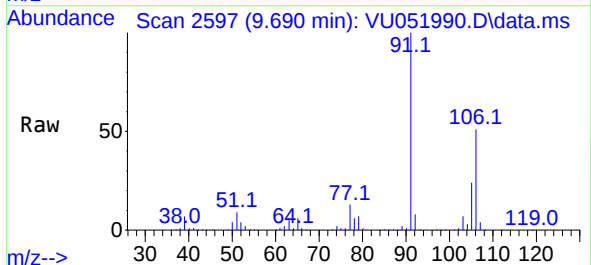
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

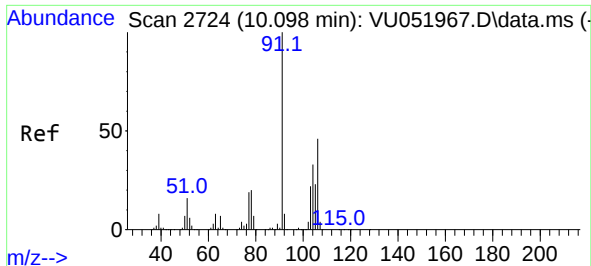
Tgt Ion: 91 Resp: 760049
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.6



#53
m,p-Xylene
Concen: 53.038 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 106 Resp: 300186
Ion Ratio Lower Upper
106 100
91 197.6 141.7 263.3

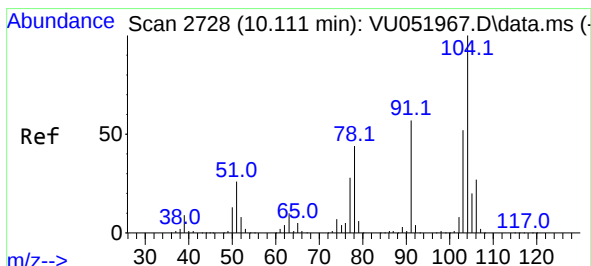
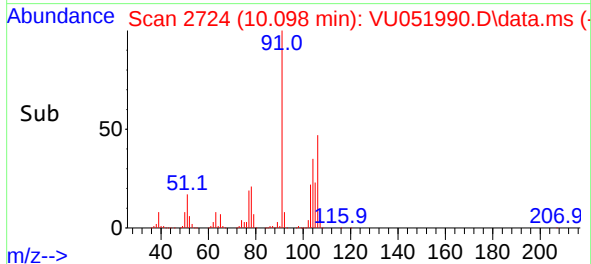
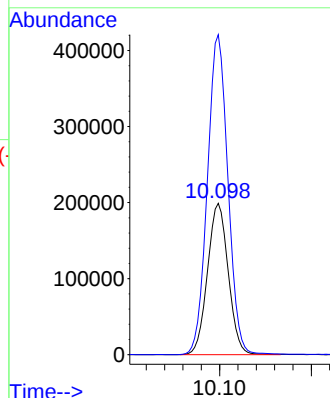
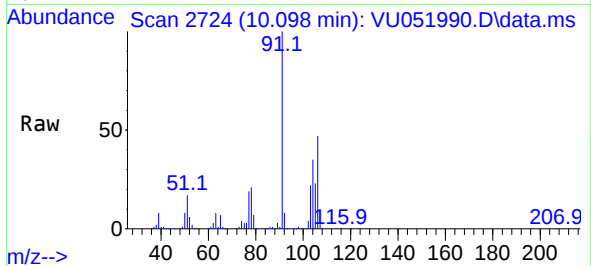




#54
o-Xylene
Concen: 54.313 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

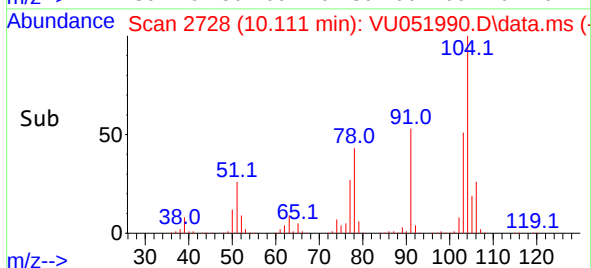
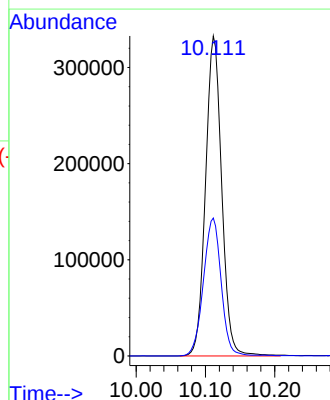
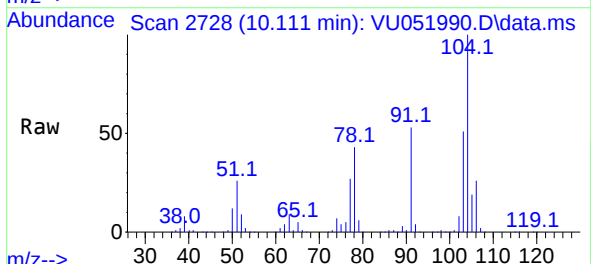
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

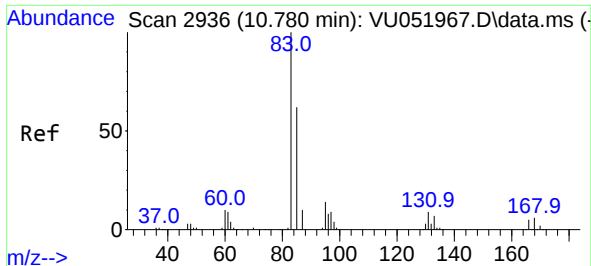
Tgt Ion:106 Resp: 312872
Ion Ratio Lower Upper
106 100
91 211.3 149.7 278.1



#55
Styrene
Concen: 54.162 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion:104 Resp: 538350
Ion Ratio Lower Upper
104 100
78 43.1 30.3 56.3

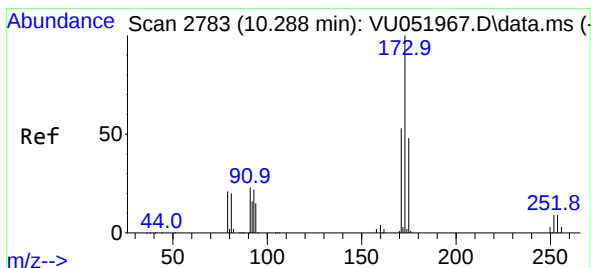
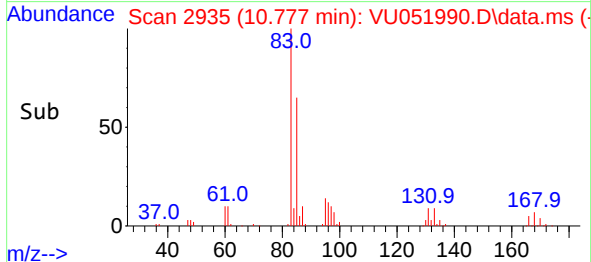
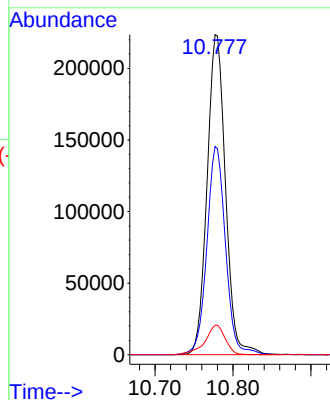
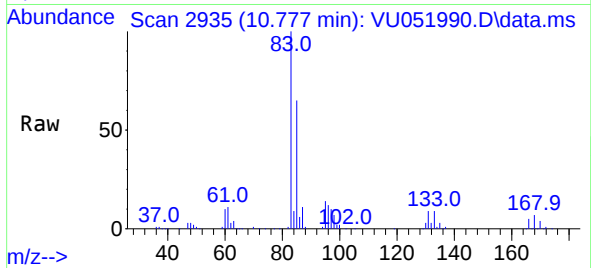




#57
1,1,2,2-Tetrachloroethane
Concen: 48.592 ug/L
RT: 10.777 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

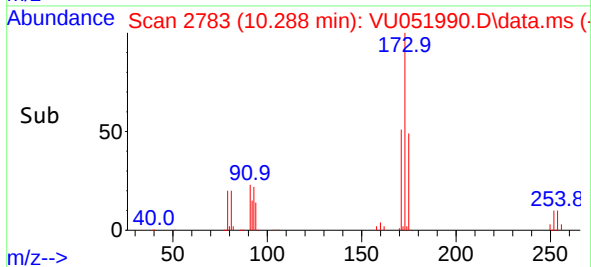
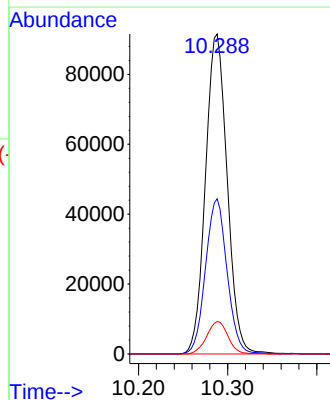
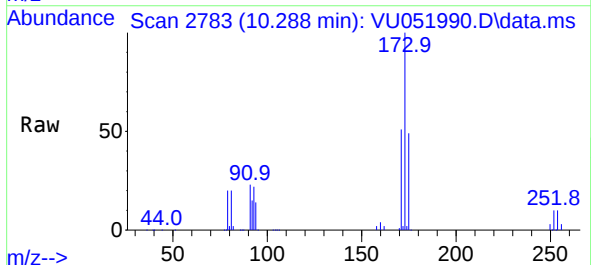
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

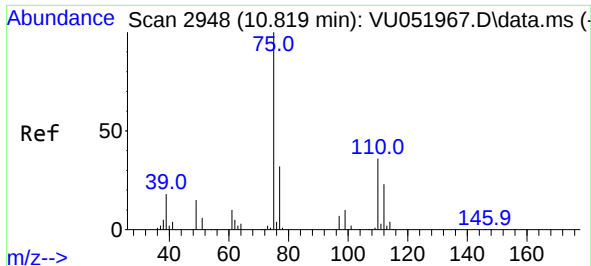
Tgt Ion: 83 Resp: 367016
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3
131 9.2 6.8 10.2



#59
Bromoform
Concen: 48.513 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion:173 Resp: 154781
Ion Ratio Lower Upper
173 100
175 48.2 38.9 58.3
254 10.0 7.4 11.2

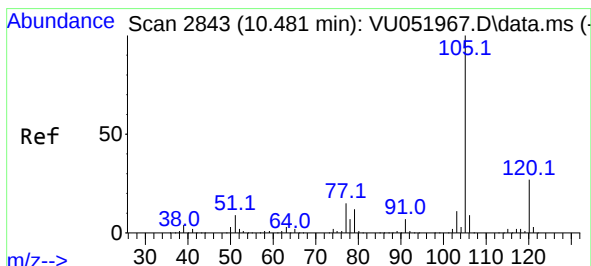
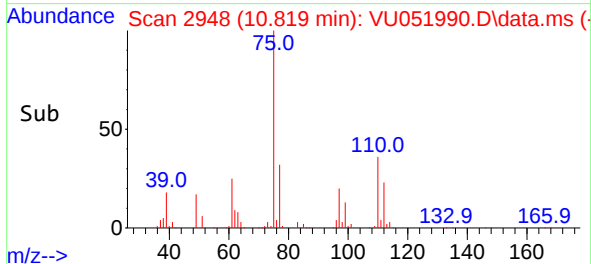
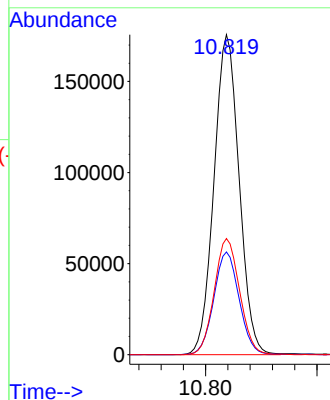
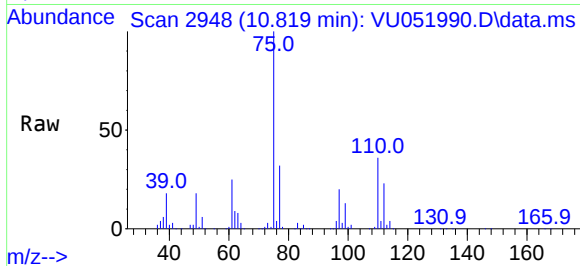




#60
1,2,3-Trichloropropane
Concen: 48.871 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

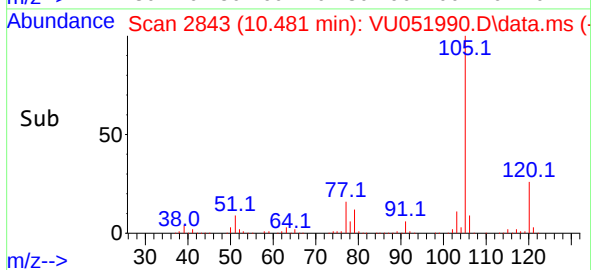
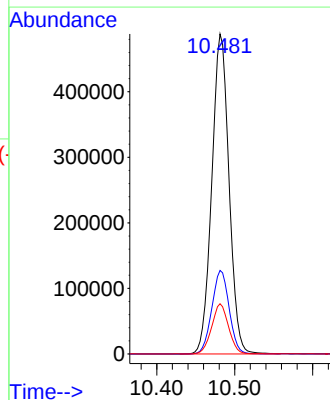
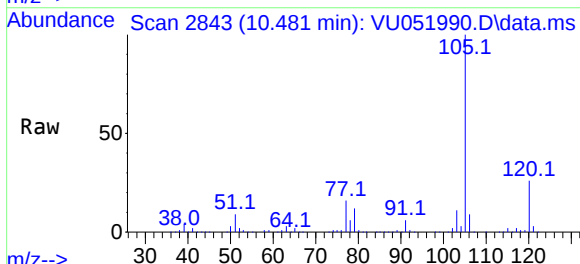
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

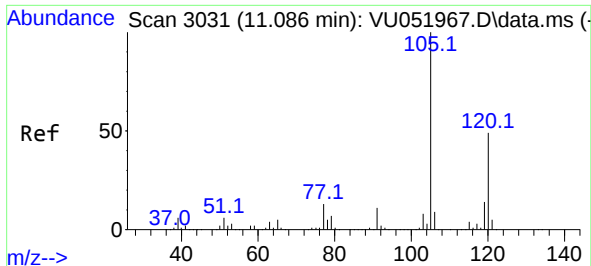
Tgt Ion:	75	Resp:	275092
Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.4
110	36.6	29.0	43.4



#61
Isopropylbenzene
Concen: 54.584 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion:	105	Resp:	750707
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.1	31.7
77	15.4	12.2	18.4

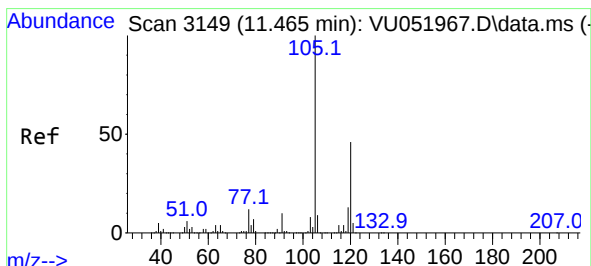
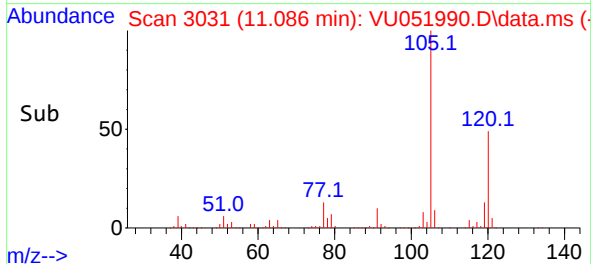
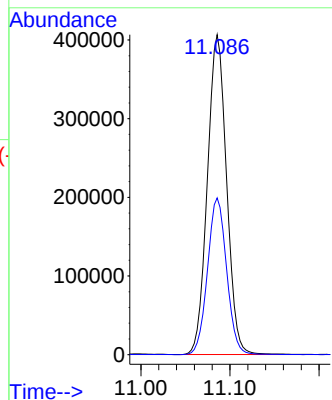
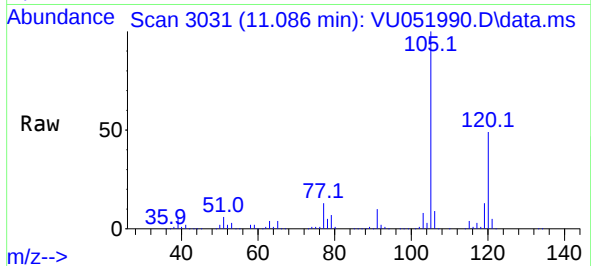




#62
1,3,5-Trimethylbenzene
Concen: 54.247 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

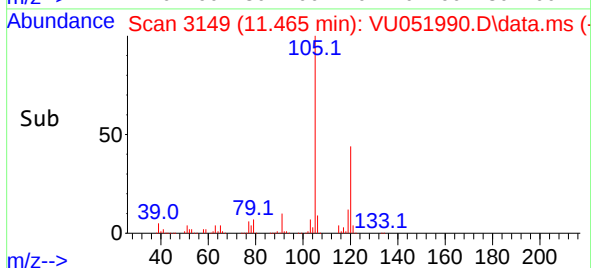
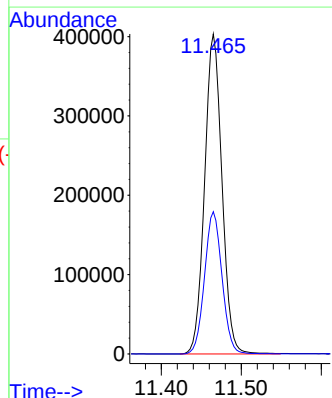
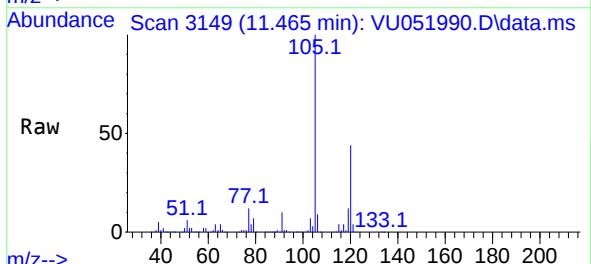
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

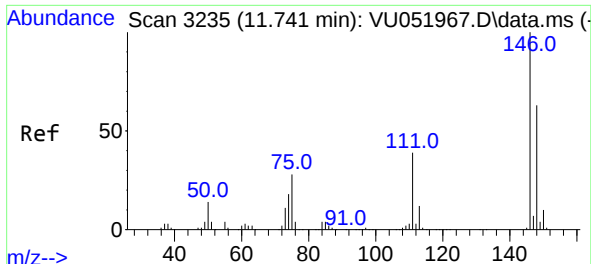
Tgt Ion:105 Resp: 607935
Ion Ratio Lower Upper
105 100
120 48.8 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 55.713 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion:105 Resp: 610007
Ion Ratio Lower Upper
105 100
120 44.7 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 50.594 ug/L

RT: 11.742 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050128

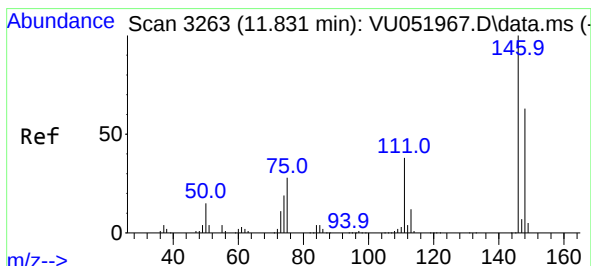
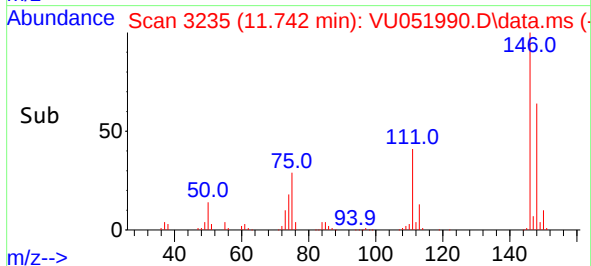
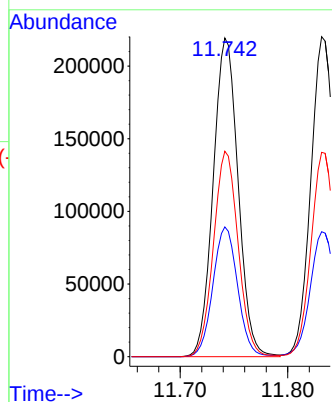
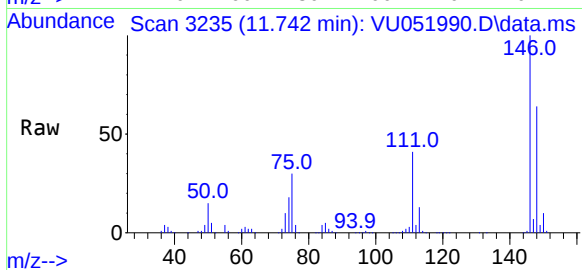
Tgt Ion:146 Resp: 352669

Ion Ratio Lower Upper

146 100

111 40.7 28.1 52.1

148 64.4 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 49.811 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.003 min

Lab File: VU051990.D

Acq: 20 Nov 2022 22:08

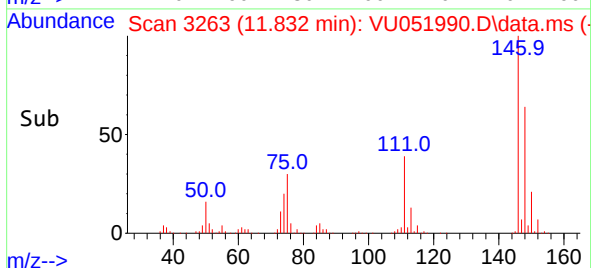
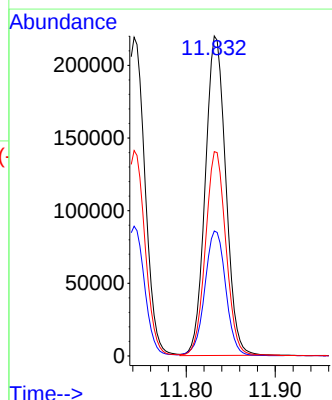
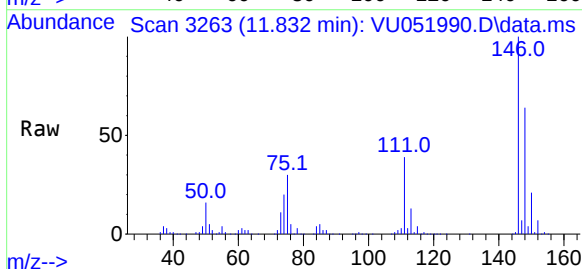
Tgt Ion:146 Resp: 351616

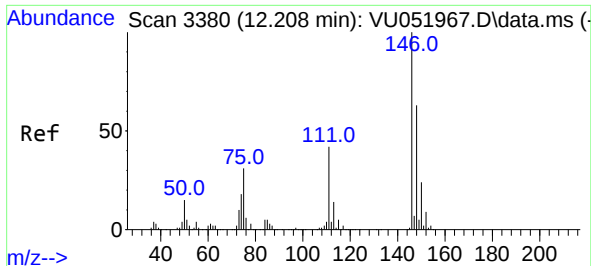
Ion Ratio Lower Upper

146 100

111 39.1 26.7 49.5

148 63.8 44.4 82.4

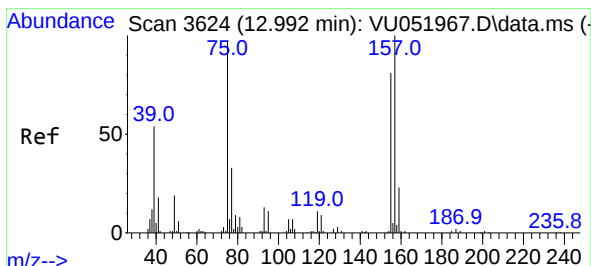
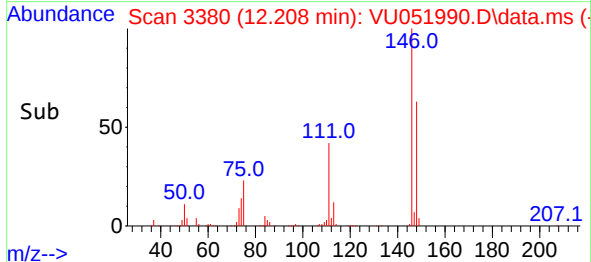
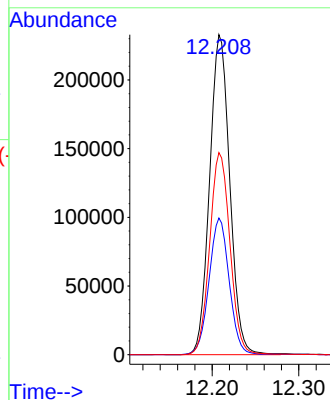
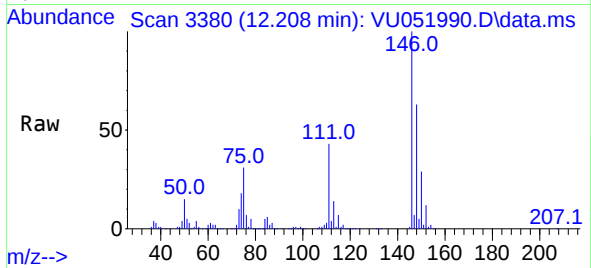




#67
1,2-Dichlorobenzene
Concen: 50.855 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

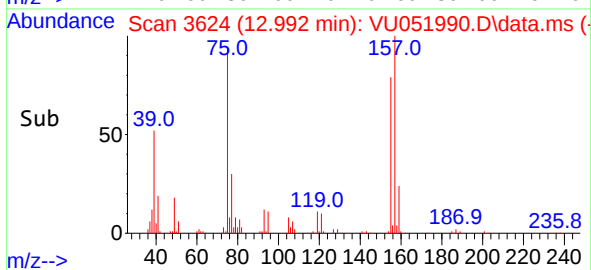
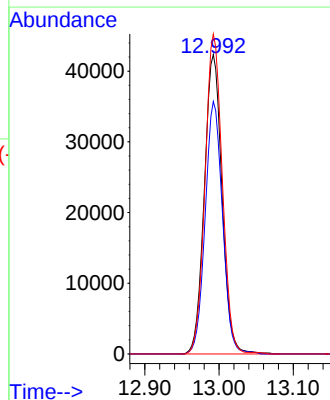
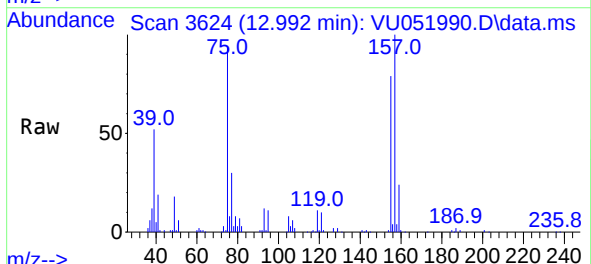
Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

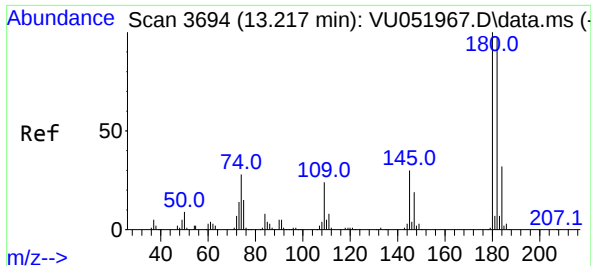
Tgt Ion:146 Resp: 376946
Ion Ratio Lower Upper
146 100
111 42.7 33.6 50.4
148 63.2 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 48.561 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 75 Resp: 69986
Ion Ratio Lower Upper
75 100
155 84.4 63.0 94.6
157 106.9 79.4 119.0



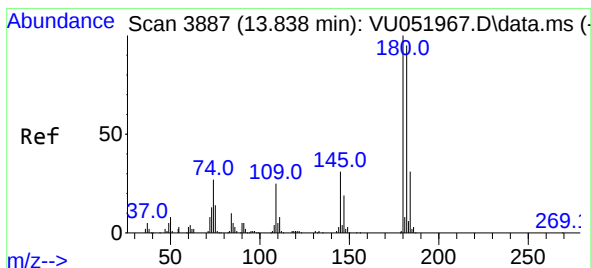
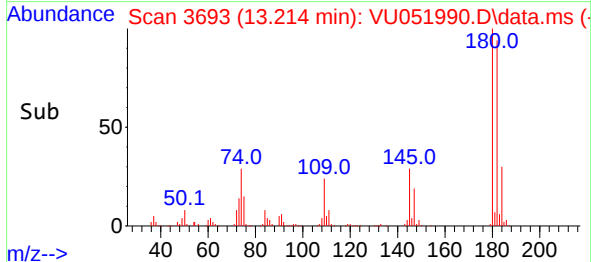
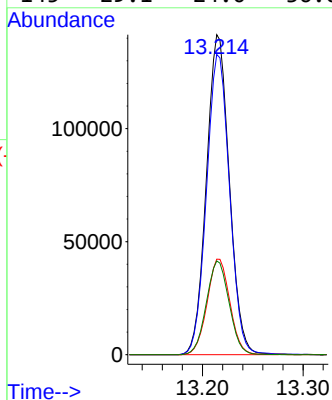
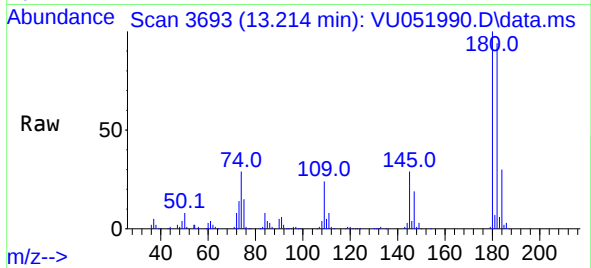


#69
 1,3,5-Trichlorobenzene
 Concen: 48.518 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.003 min
 Lab File: VU051990.D
 Acq: 20 Nov 2022 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050128

Tgt Ion:180 Resp: 224373

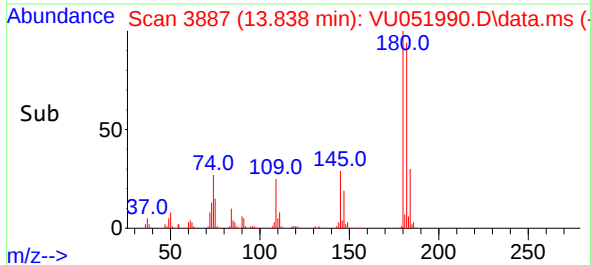
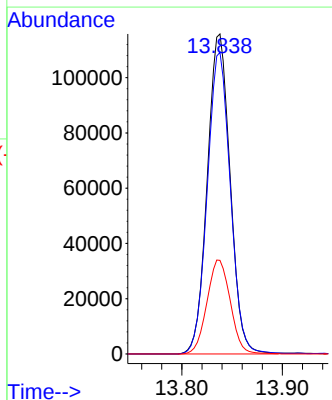
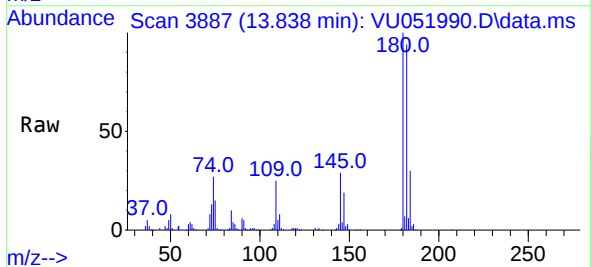
Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.4
184	29.7	23.8	35.8
145	29.1	24.0	36.0

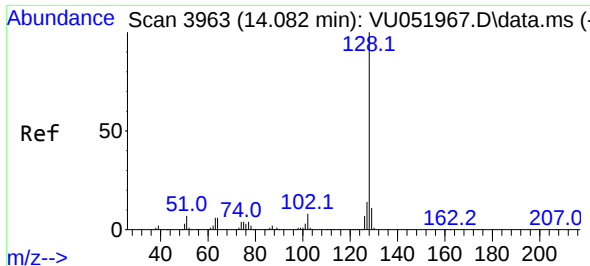


#70
 1,2,4-trichlorobenzene
 Concen: 49.870 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051990.D
 Acq: 20 Nov 2022 22:08

Tgt Ion:180 Resp: 182803

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	30.0	24.2	36.2



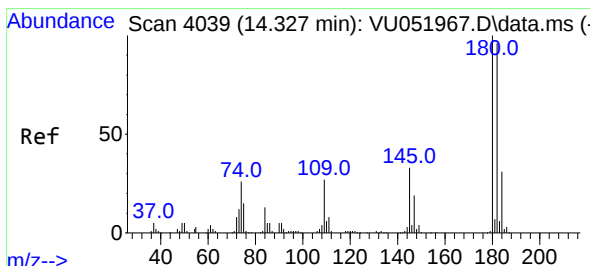
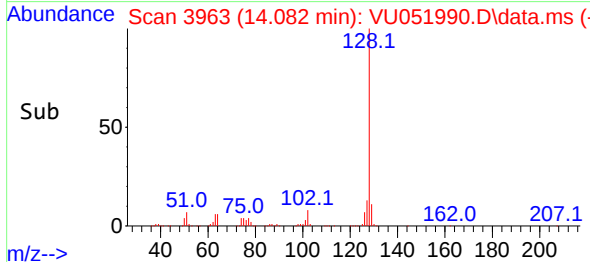
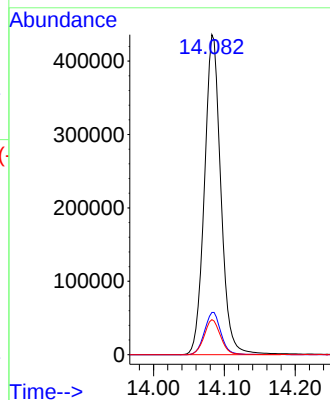
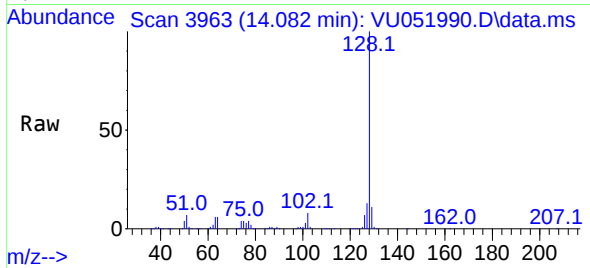


#71
Naphthalene
Concen: 58.168 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050128

Tgt Ion:128 Resp: 701247

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 53.826 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051990.D
Acq: 20 Nov 2022 22:08

Tgt Ion:180 Resp: 215951

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.9	115.3
145	32.0	24.9	37.3

