

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100322\
 Data File : VU051099.D
 Acq On : 03 Oct 2022 22:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

Quant Time: Oct 03 23:34:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 03:04:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	402857	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	406090	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	209919	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	159841	39.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.300%
7) Chloroethane-d5	1.903	69	143720	37.895	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.568	63	275762	45.725	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.460%
21) 2-Butanone-d5	4.616	46	186440	70.408	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.410%
24) Chloroform-d	5.060	84	317726	48.303	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.697	65	196981	48.381	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
32) Benzene-d6	5.726	84	629875	52.967	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.940%
36) 1,2-Dichloropropane-d6	6.687	67	210986	54.677	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.360%
41) Toluene-d8	7.896	98	566696	51.578	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.160%
43) trans-1,3-Dichloroprop...	8.176	79	87538	47.561	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.120%
47) 2-Hexanone-d5	8.629	63	101180	64.937	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	64.940%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	305739	45.335	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.680%
66) 1,2-Dichlorobenzene-d4	12.192	152	205110	45.738	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	168799	49.968	ug/L	100
3) Chloromethane	1.520	50	205190	51.409	ug/L	99
5) Vinyl chloride	1.604	62	210244	49.634	ug/L	100
6) Bromomethane	1.842	94	114424	32.611	ug/L	99
8) Chloroethane	1.925	64	134163	43.133	ug/L	98
9) Trichlorofluoromethane	2.134	101	249280	43.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	156682	50.945	ug/L	98
12) 1,1-Dichloroethene	2.578	96	142540	49.616	ug/L	93
13) Acetone	2.620	43	146451	69.259	ug/L	98
14) Carbon disulfide	2.790	76	444638	52.359	ug/L	100
15) Methyl Acetate	2.945	43	165232	42.801	ug/L	97
16) Methylene chloride	3.041	84	203631	49.376	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	152884	50.022	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	472360	50.857	ug/L	99
19) 1,1-Dichloroethane	3.867	63	317763	54.734	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	175368	51.389	ug/L	96
22) 2-Butanone	4.697	43	225129	77.059	ug/L	98
23) Bromochloromethane	4.973	128	97324	52.051	ug/L	94
25) Chloroform	5.086	83	333629	52.832	ug/L	100

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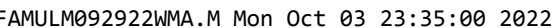
Instrument :
 MSVOA_U
 ClientSampleId :
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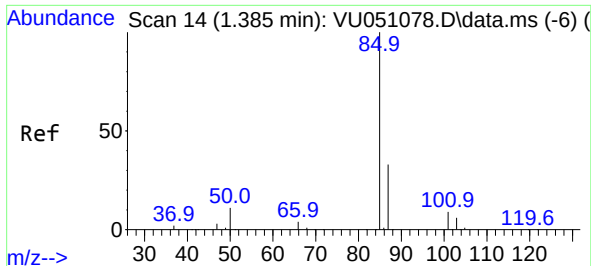
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	253840	52.475	ug/L	98
29) Cyclohexane	5.388	56	227668	57.578	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	253940	53.320	ug/L	99
31) Carbon tetrachloride	5.523	117	211071	54.319	ug/L	97
33) Benzene	5.771	78	737473	59.568	ug/L	100
34) Trichloroethene	6.539	95	166538	51.935	ug/L	99
35) Methylcyclohexane	6.761	83	241728	55.387	ug/L	96
37) 1,2-Dichloropropane	6.787	63	204481	61.333	ug/L	100
38) Bromodichloromethane	7.102	83	258564	58.114	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	261638	55.413	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	456445	94.538	ug/L	98
42) Toluene	7.967	91	770547	58.514	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	251017	52.580	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	194084	53.744	ug/L	98
46) Tetrachloroethene	8.549	164	120805	49.712	ug/L	100
48) 2-Hexanone	8.681	43	367777	83.864	ug/L	98
49) Dibromochloromethane	8.806	129	200792	52.885	ug/L	99
50) 1,2-Dibromoethane	8.919	107	195034	49.813	ug/L	98
51) Chlorobenzene	9.443	112	460297	51.400	ug/L	98
52) Ethylbenzene	9.568	91	732405	52.142	ug/L	98
53) m,p-Xylene	9.690	106	289297	54.769	ug/L	98
54) o-Xylene	10.099	106	287003	54.361	ug/L	98
55) Styrene	10.111	104	514515	56.385	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	329454	51.548	ug/L	99
59) Bromoform	10.288	173	143168	46.353	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	241468	43.711	ug/L	99
61) Isopropylbenzene	10.481	105	698385	51.214	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	581641	52.162	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	596965	53.415	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	342800	48.763	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	345381	49.148	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	360459	49.906	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	60899	37.777	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	228458	47.923	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	171925	44.078	ug/L	99
71) Naphthalene	14.086	128	518664	37.152	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	192989	44.340	ug/L	99

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

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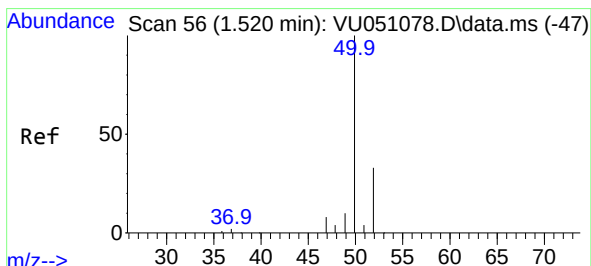
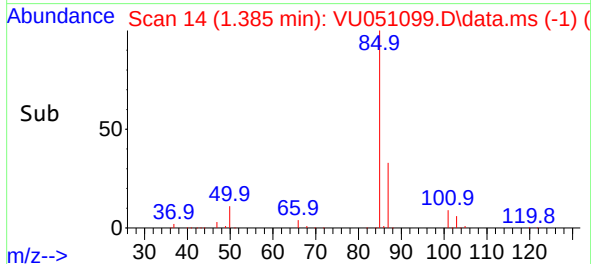
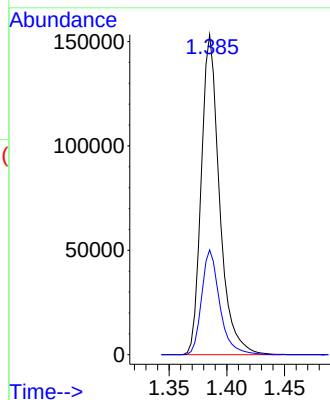
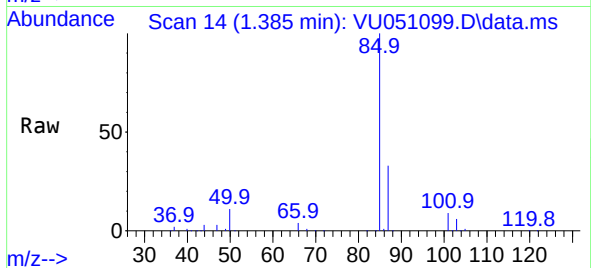




#2
Dichlorodifluoromethane
Concen: 49.968 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

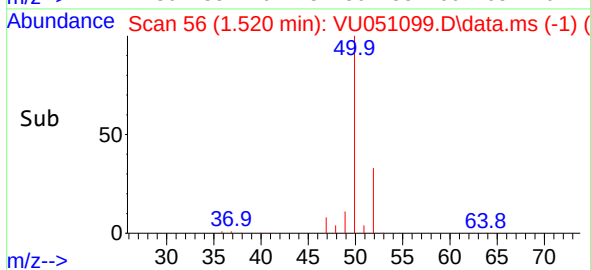
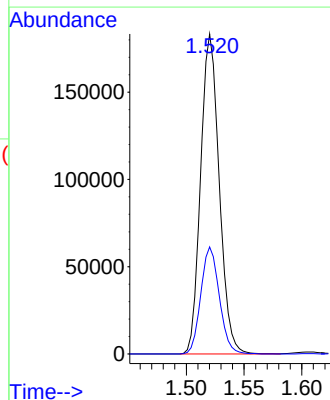
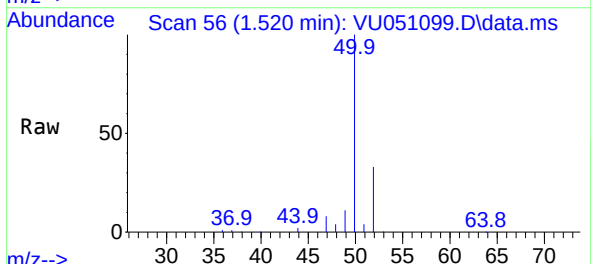
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

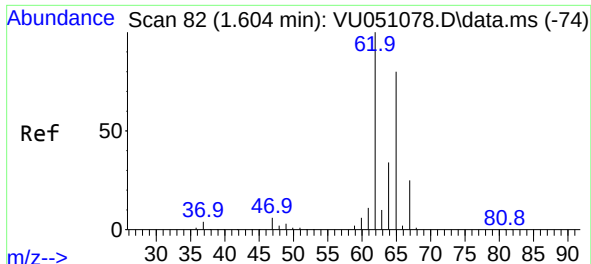
Tgt Ion: 85 Resp: 168799
Ion Ratio Lower Upper
85 100
87 32.4 25.9 38.9



#3
Chloromethane
Concen: 51.409 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 50 Resp: 205190
Ion Ratio Lower Upper
50 100
52 33.5 23.7 44.1

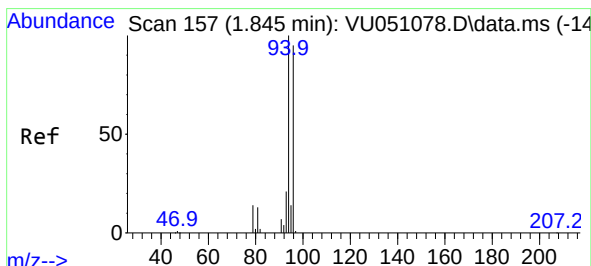
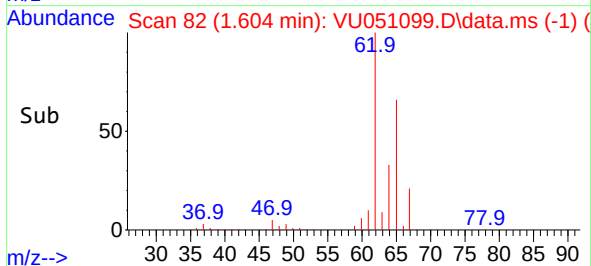
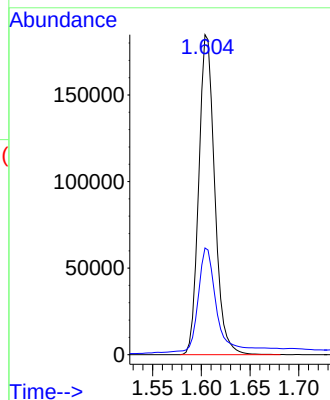
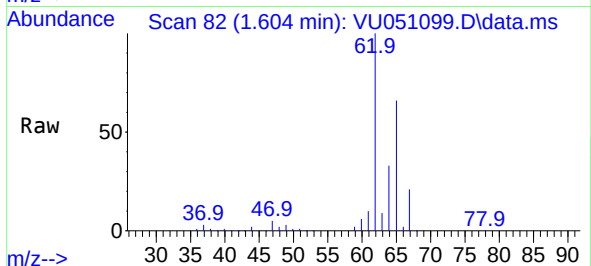




#5
 Vinyl chloride
 Concen: 49.634 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051099.D
 Acq: 03 Oct 2022 22:24

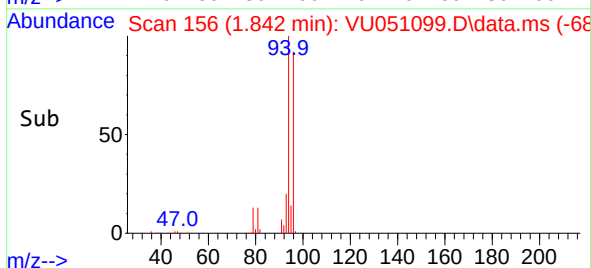
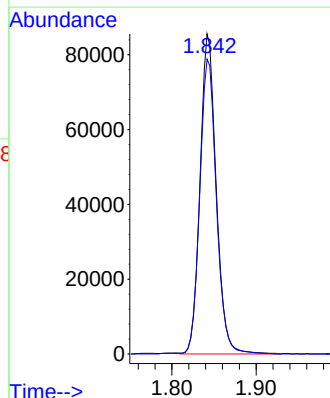
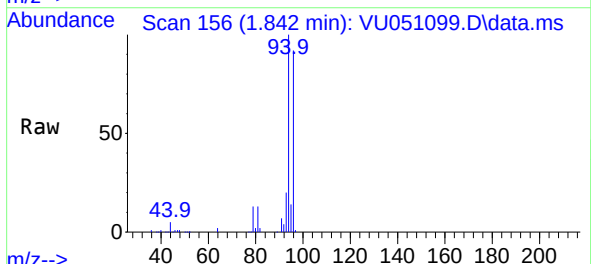
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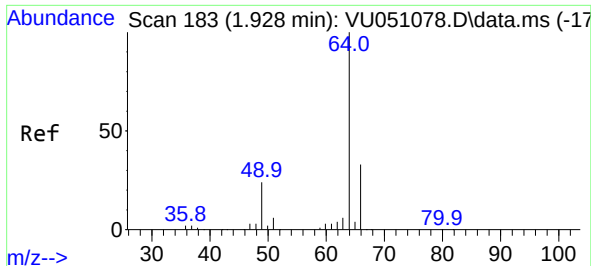
Tgt Ion: 62 Resp: 210244
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.5 43.7



#6
 Bromomethane
 Concen: 32.611 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.016 min
 Lab File: VU051099.D
 Acq: 03 Oct 2022 22:24

Tgt Ion: 94 Resp: 114424
 Ion Ratio Lower Upper
 94 100
 96 92.1 63.9 118.7

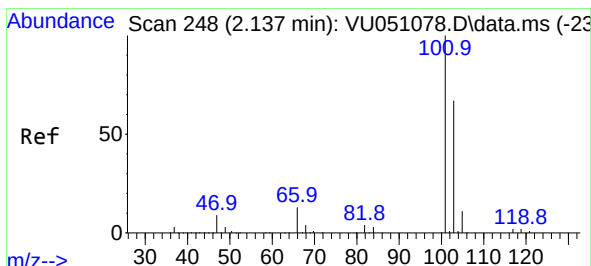
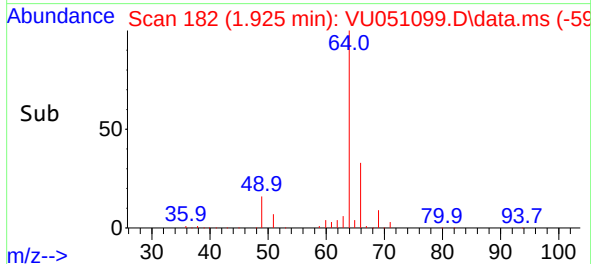
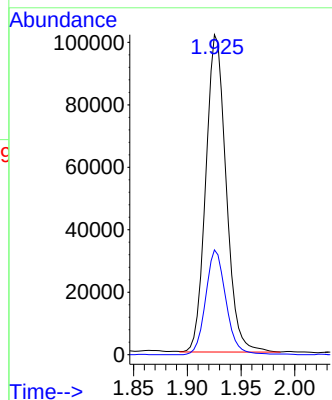
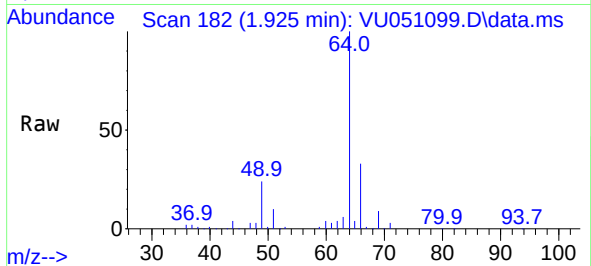




#8
Chloroethane
Concen: 43.133 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

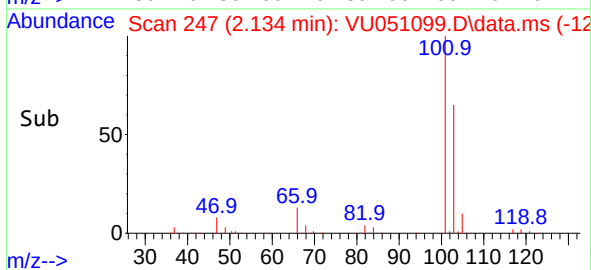
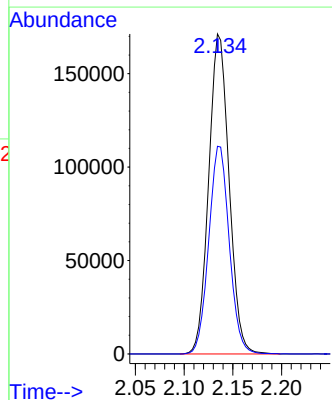
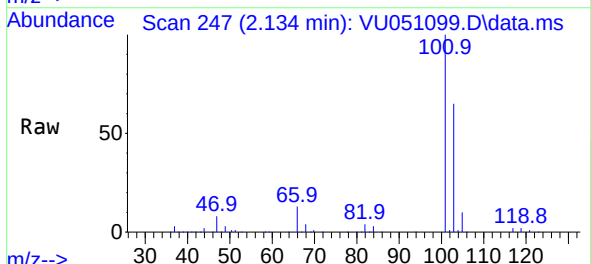
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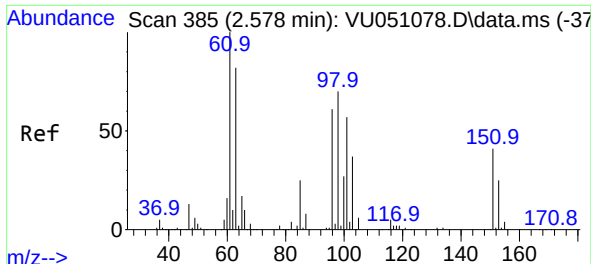
Tgt Ion: 64 Resp: 134163
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 43.767 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion:101 Resp: 249280
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.6

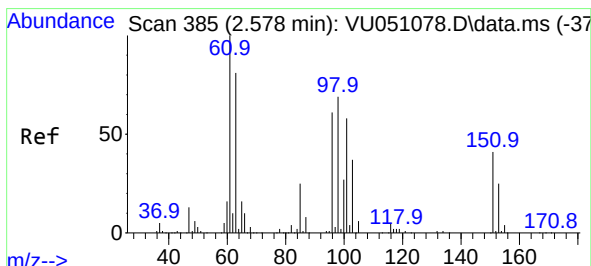
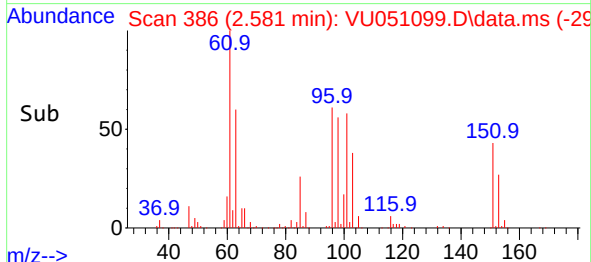
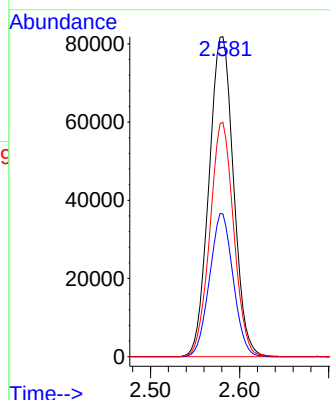
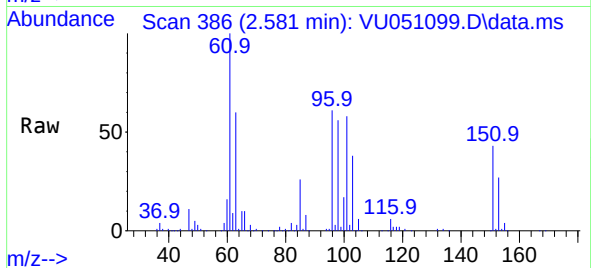




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.945 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

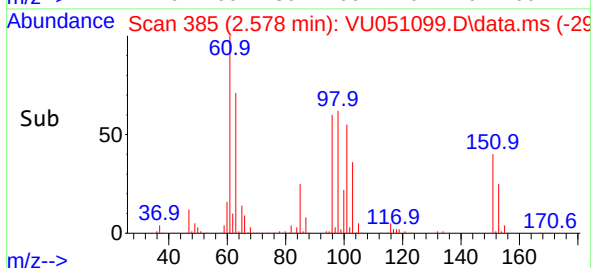
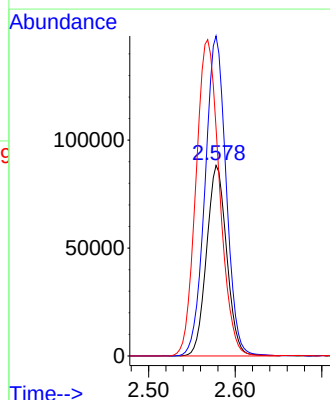
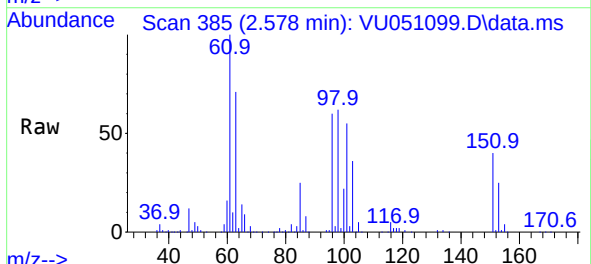
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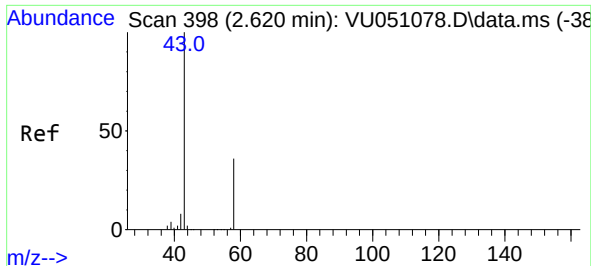
Tgt Ion:101 Resp: 156682
Ion Ratio Lower Upper
101 100
85 43.0 34.6 52.0
151 71.1 58.6 87.8



#12
1,1-Dichloroethene
Concen: 49.616 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 96 Resp: 142540
Ion Ratio Lower Upper
96 100
61 167.9 113.0 209.9
63 119.7 91.7 170.3





#13

Acetone

Concen: 69.259 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.019 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

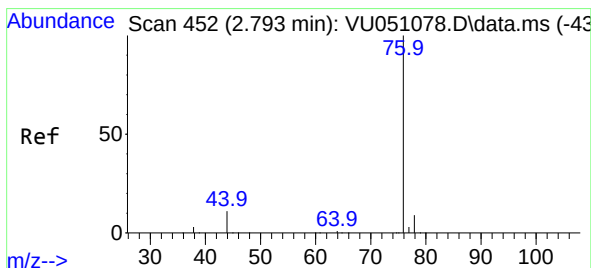
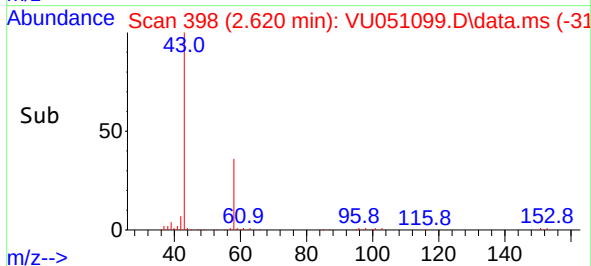
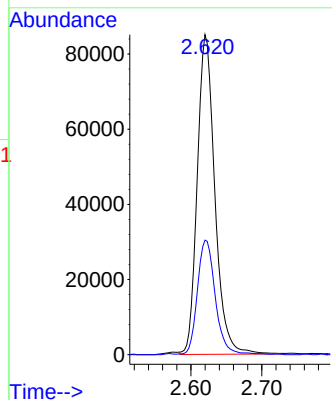
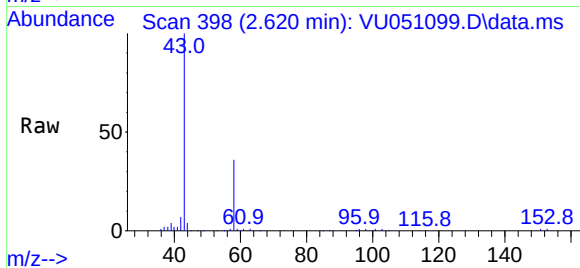
VSTD050106

Tgt Ion: 43 Resp: 146451

Ion Ratio Lower Upper

43 100

58 35.8 0.0 73.6



#14

Carbon disulfide

Concen: 52.359 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051099.D

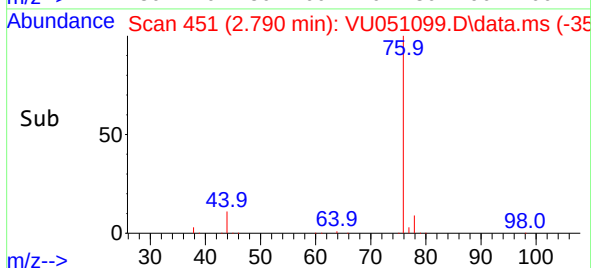
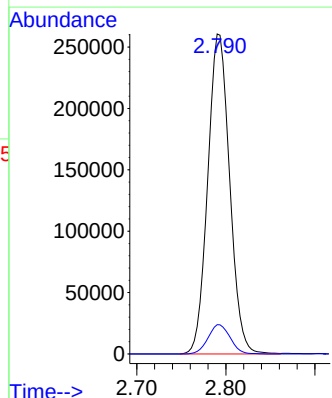
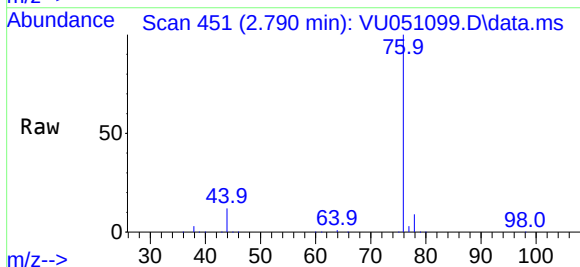
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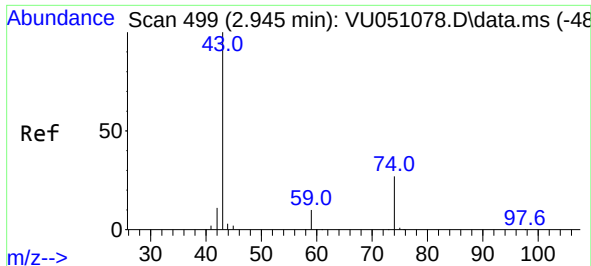
Tgt Ion: 76 Resp: 444638

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

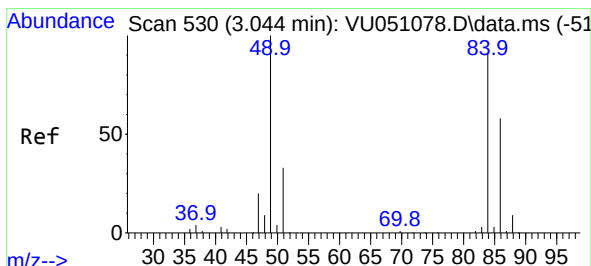
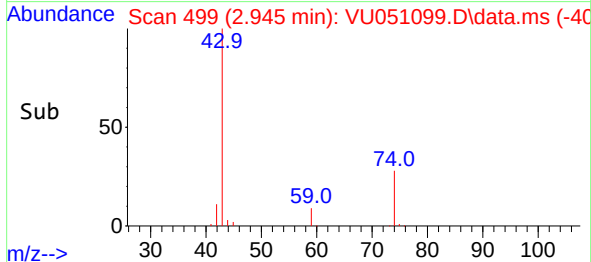
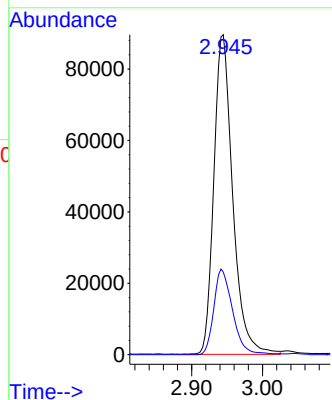
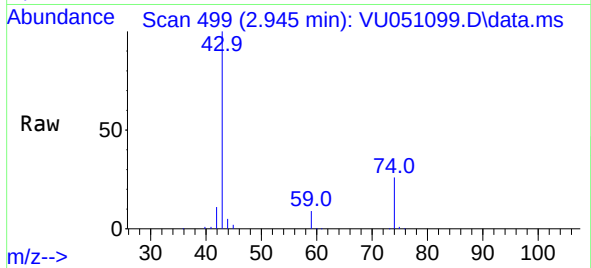




#15
Methyl Acetate
Concen: 42.801 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.006 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

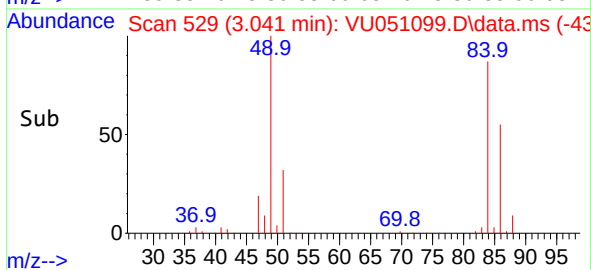
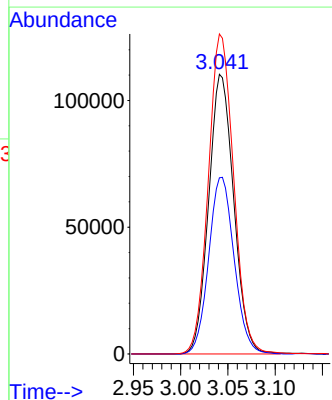
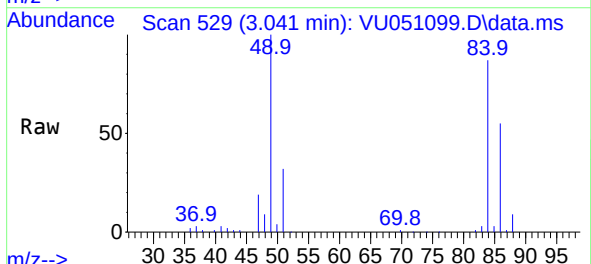
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

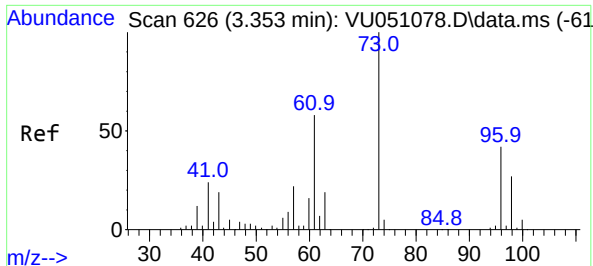
Tgt Ion: 43 Resp: 165232
Ion Ratio Lower Upper
43 100
74 26.6 22.4 33.6



#16
Methylene chloride
Concen: 49.376 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 84 Resp: 203631
Ion Ratio Lower Upper
84 100
86 63.0 45.4 84.4
49 114.4 78.3 145.3

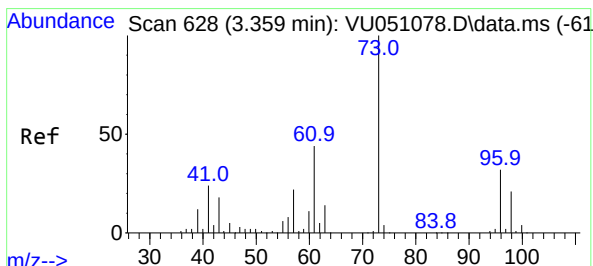
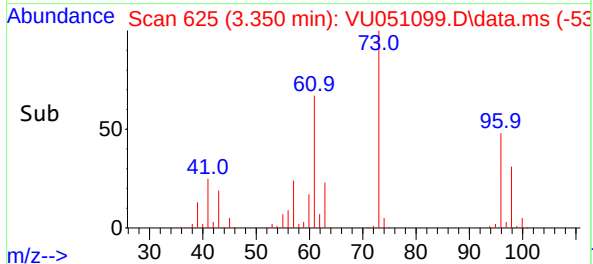
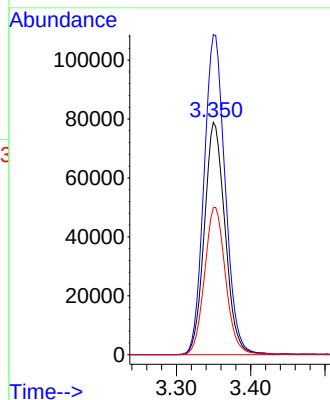
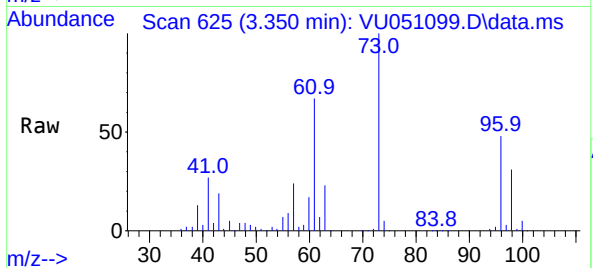




#17
trans-1,2-Dichloroethene
Concen: 50.022 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

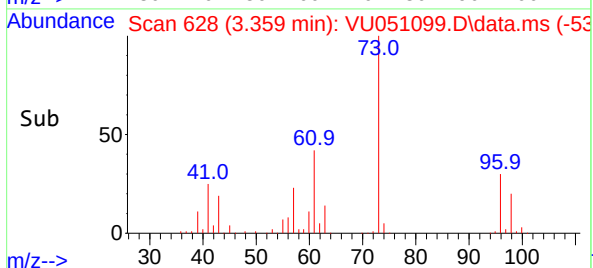
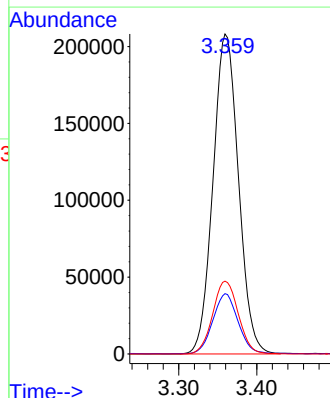
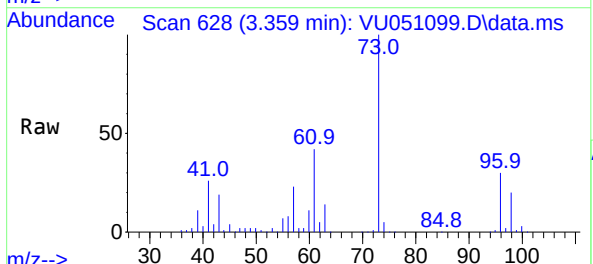
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

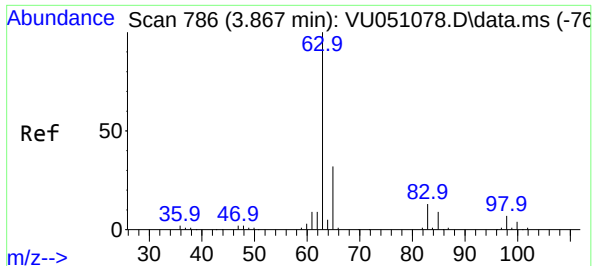
Tgt Ion: 96 Resp: 152884
Ion Ratio Lower Upper
96 100
61 137.7 95.1 176.5
98 63.3 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 50.857 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 73 Resp: 472360
Ion Ratio Lower Upper
73 100
43 18.6 14.7 22.1
57 22.9 17.5 26.3

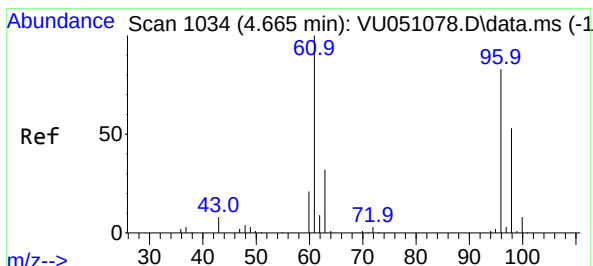
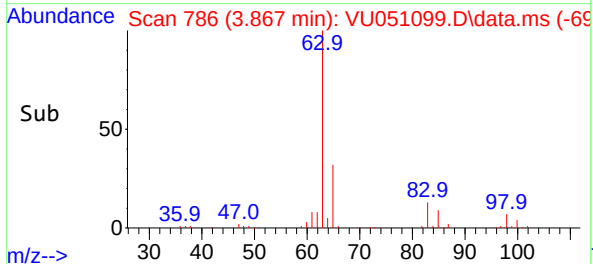
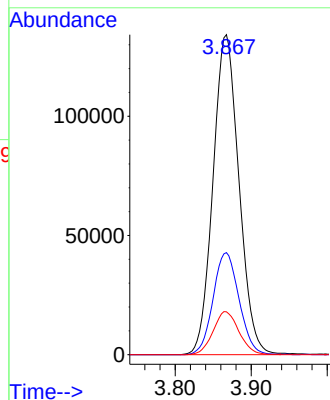
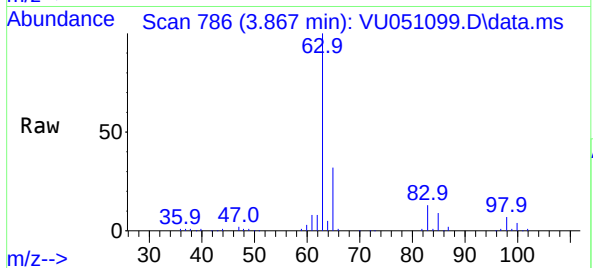




#19
1,1-Dichloroethane
Concen: 54.734 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

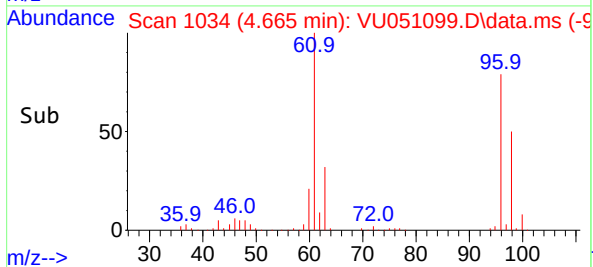
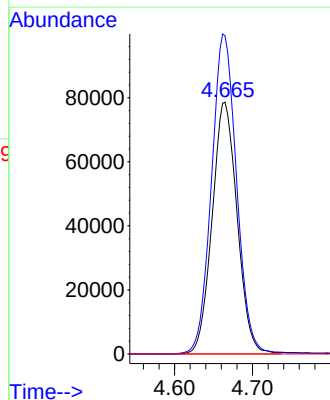
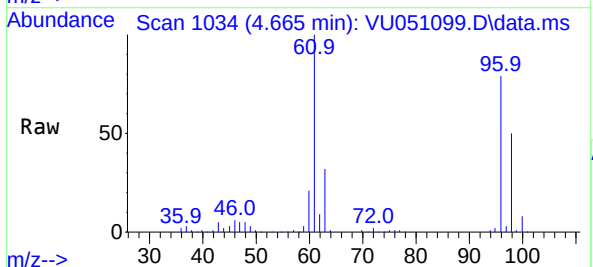
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

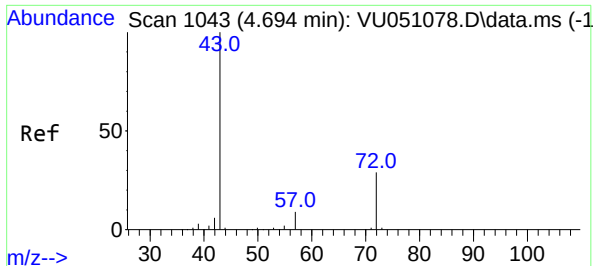
Tgt Ion: 63 Resp: 317763
Ion Ratio Lower Upper
63 100
65 31.9 22.6 42.0
83 13.4 9.4 17.4



#20
cis-1,2-Dichloroethene
Concen: 51.389 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 96 Resp: 175368
Ion Ratio Lower Upper
96 100
61 126.4 85.4 158.6
68 0.0 0.0 0.0

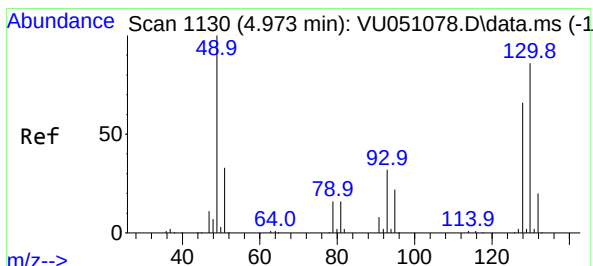
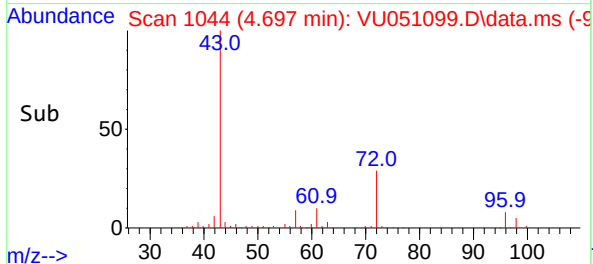
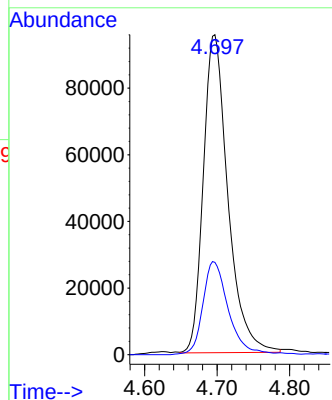
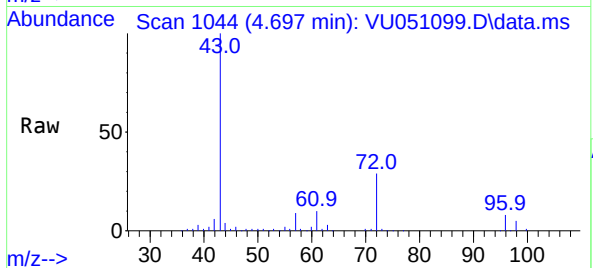




#22
2-Butanone
Concen: 77.059 ug/L
RT: 4.697 min Scan# 1104
Delta R.T. -0.010 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

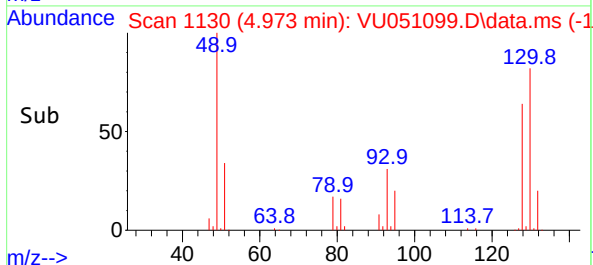
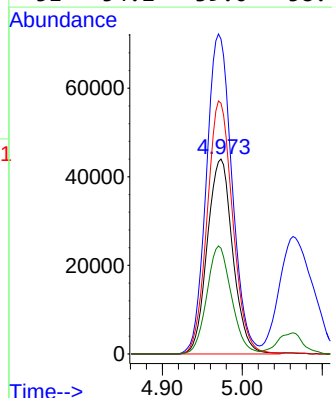
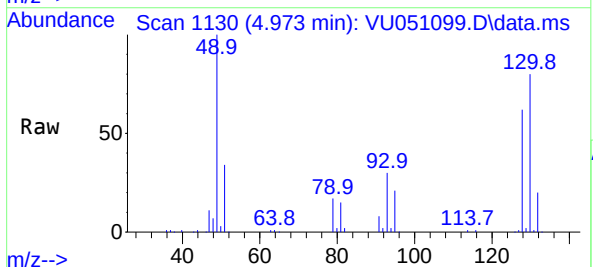
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

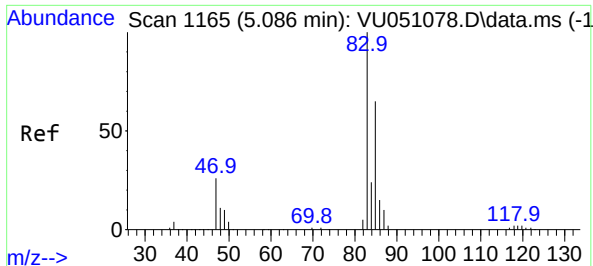
Tgt Ion: 43 Resp: 225129
Ion Ratio Lower Upper
43 100
72 30.2 15.8 47.4



#23
Bromochloromethane
Concen: 52.051 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 128 Resp: 97324
Ion Ratio Lower Upper
128 100
49 161.6 106.9 198.5
130 128.7 86.2 160.0
51 54.2 39.0 58.4





#25

Chloroform

Concen: 52.832 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

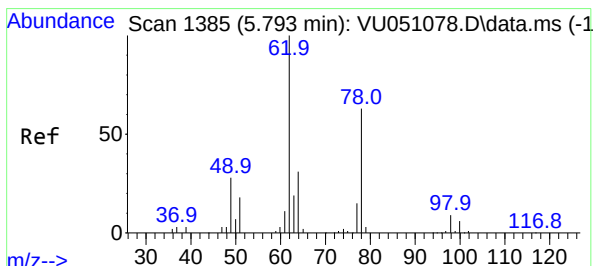
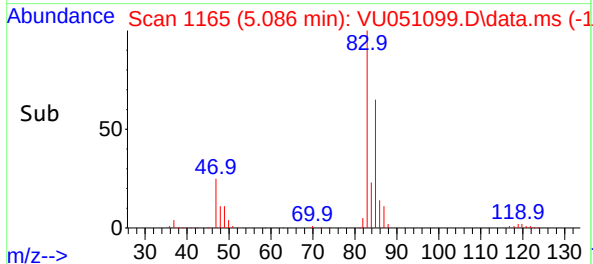
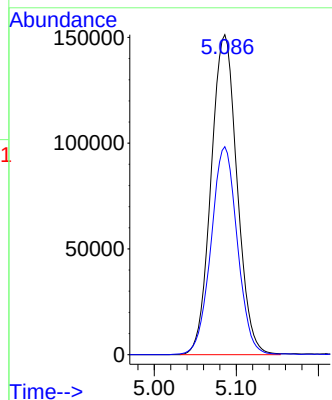
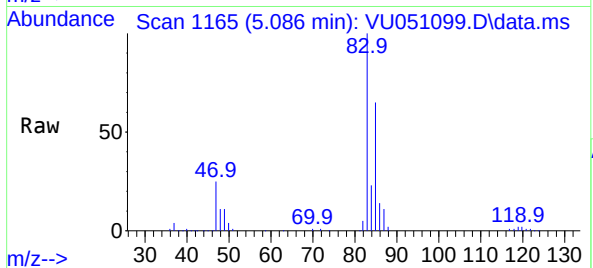
VSTD050106

Tgt Ion: 83 Resp: 333629

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 52.475 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU051099.D

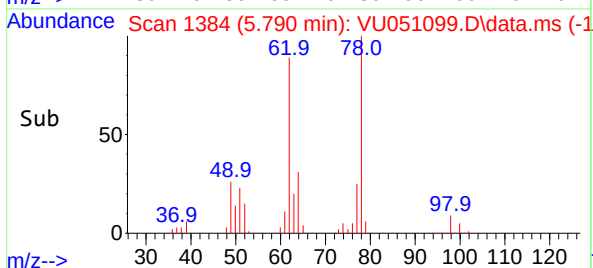
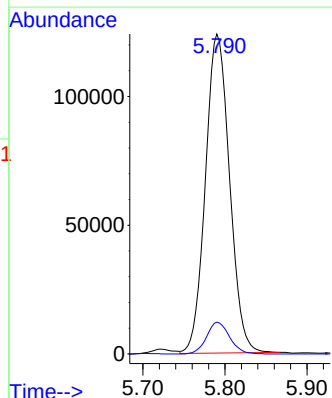
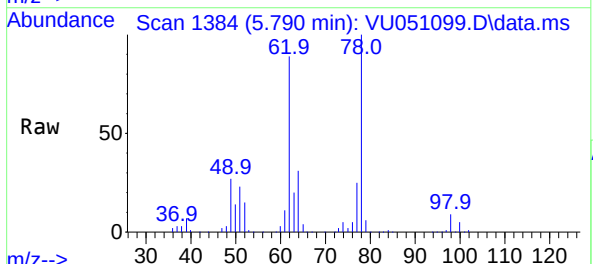
Acq: 03 Oct 2022 22:24

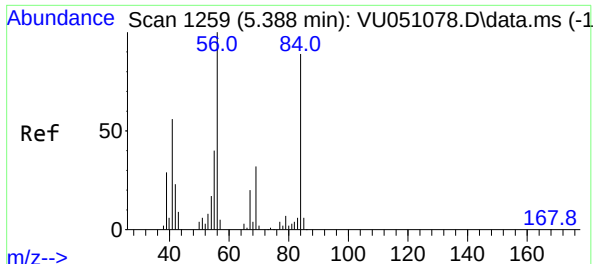
Tgt Ion: 62 Resp: 253840

Ion Ratio Lower Upper

62 100

98 9.9 7.3 10.9





#29

Cyclohexane

Concen: 57.578 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

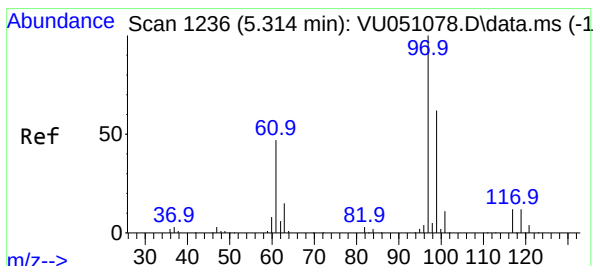
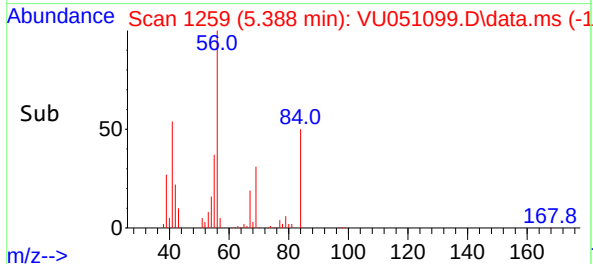
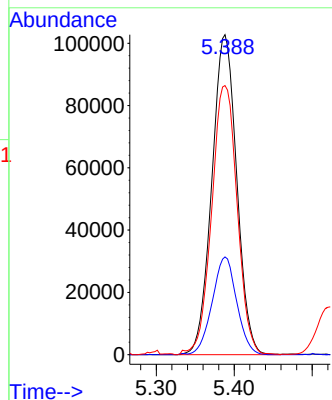
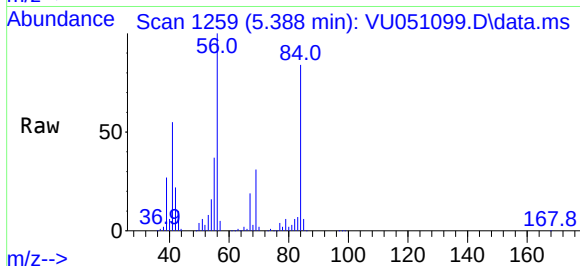
Tgt Ion: 56 Resp: 227668

Ion Ratio Lower Upper

56 100

69 30.1 24.8 37.2

84 86.1 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 53.320 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

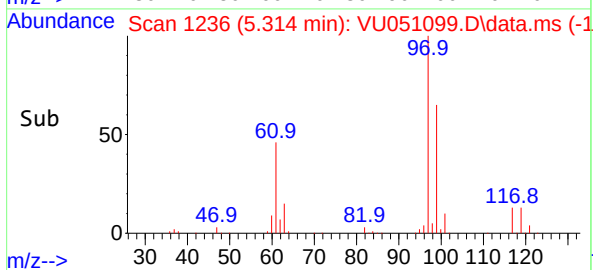
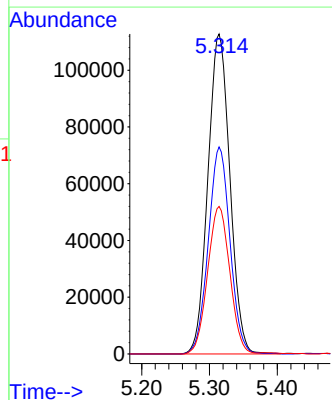
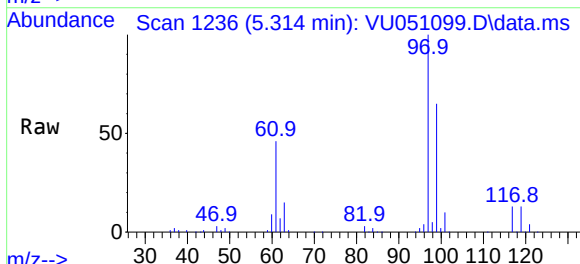
Tgt Ion: 97 Resp: 253940

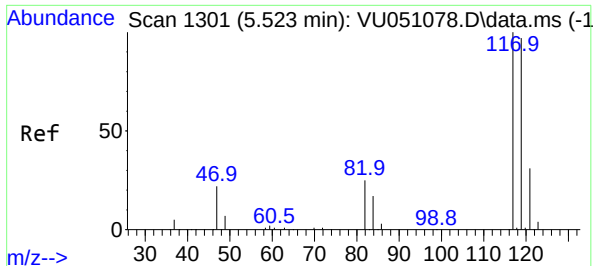
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.2

61 46.5 36.0 54.0

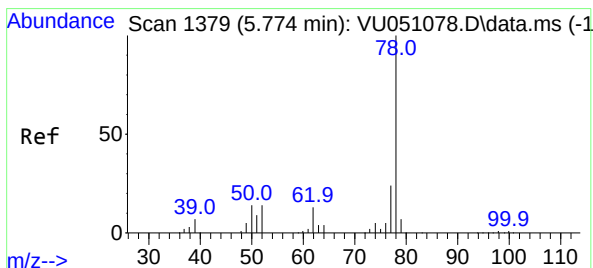
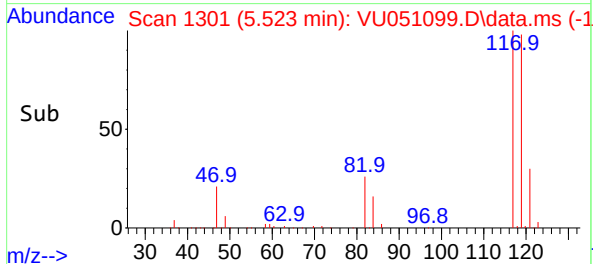
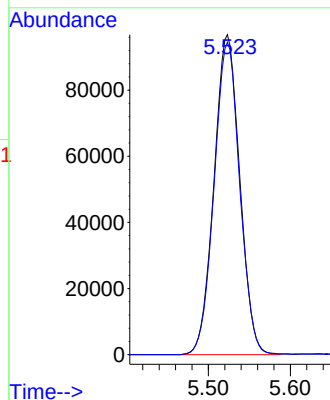
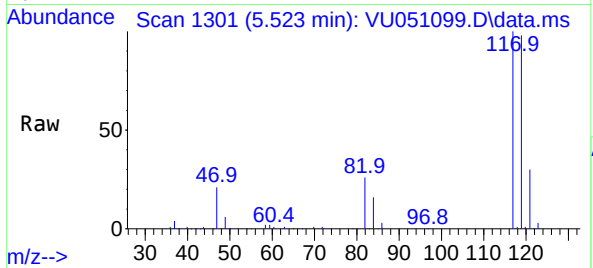




#31
Carbon tetrachloride
Concen: 54.319 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

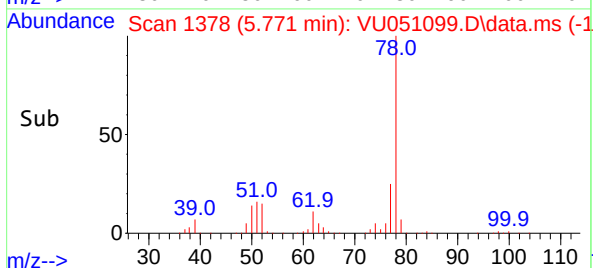
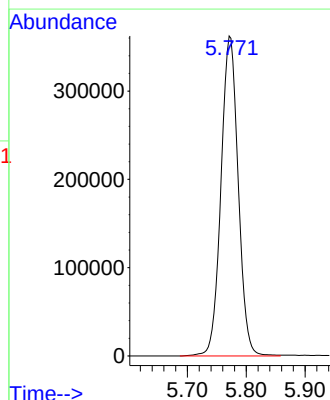
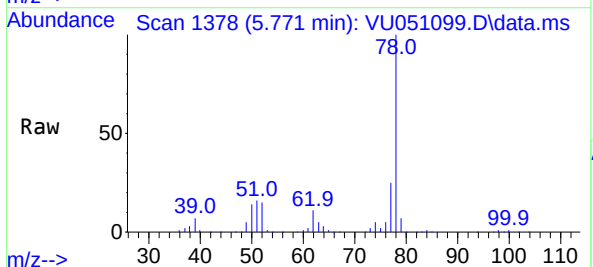
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

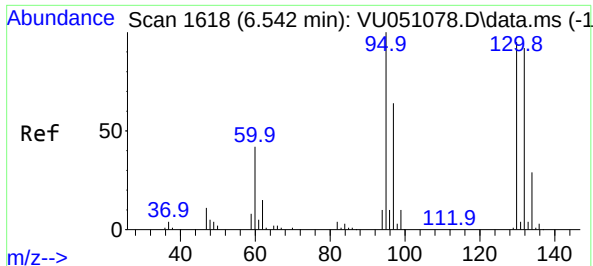
Tgt Ion:117 Resp: 211071
Ion Ratio Lower Upper
117 100
119 97.1 75.7 113.5



#33
Benzene
Concen: 59.568 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 78 Resp: 737473





#34

Trichloroethene

Concen: 51.935 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

Tgt Ion: 95 Resp: 166538

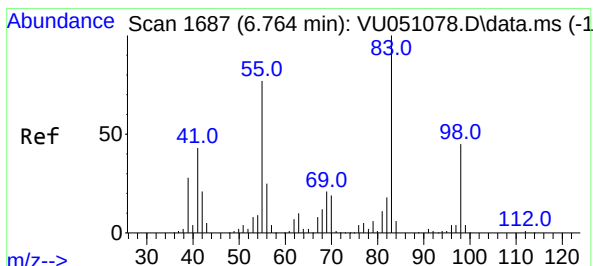
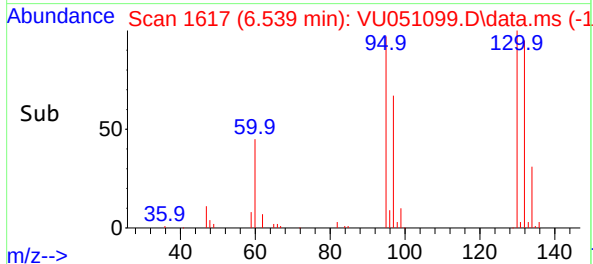
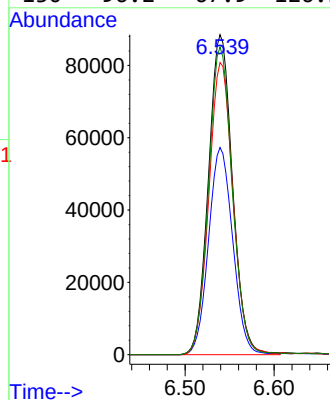
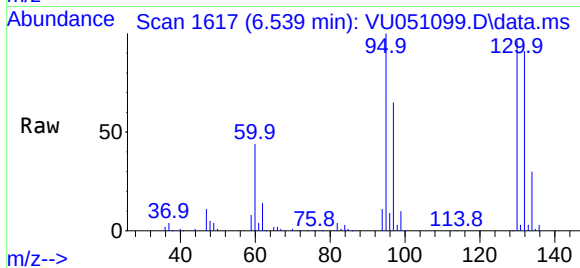
Ion Ratio Lower Upper

95 100

97 64.8 45.9 85.3

132 91.3 64.0 119.0

130 96.2 67.9 126.1



#35

Methylcyclohexane

Concen: 55.387 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

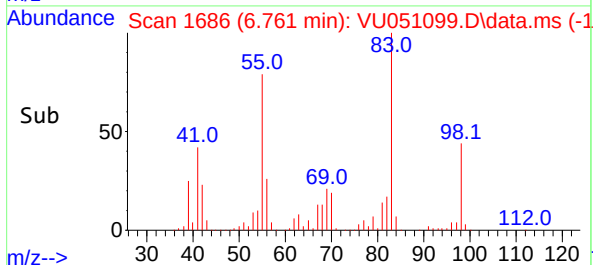
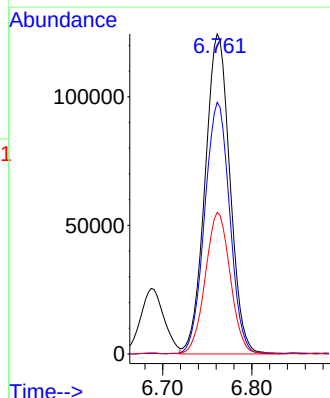
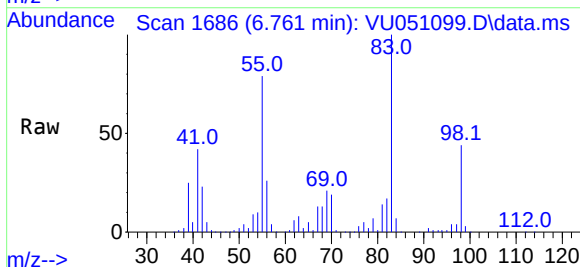
Tgt Ion: 83 Resp: 241728

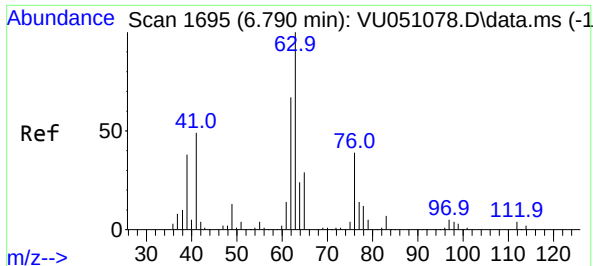
Ion Ratio Lower Upper

83 100

55 78.9 59.3 88.9

98 44.2 36.0 54.0

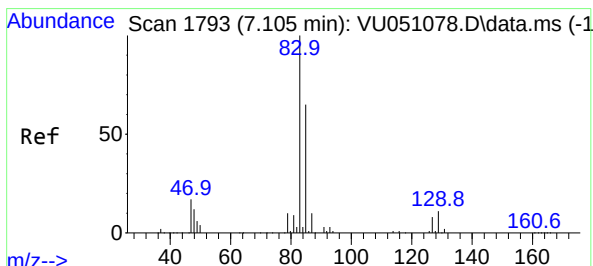
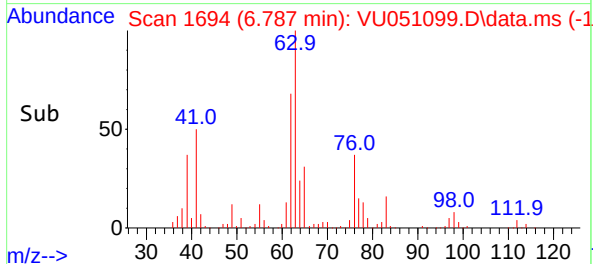
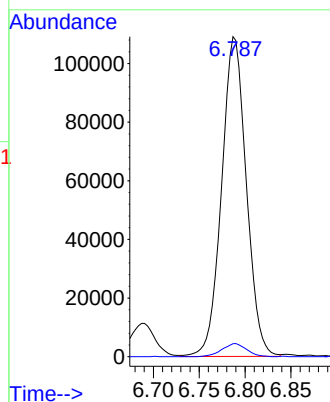
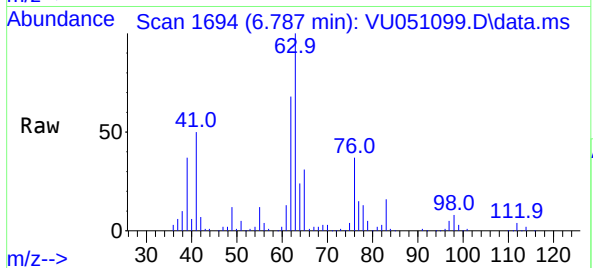




#37
1,2-Dichloropropane
Concen: 61.333 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

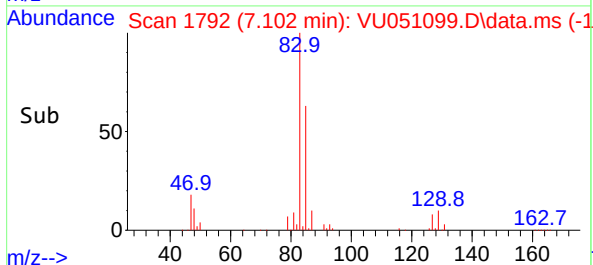
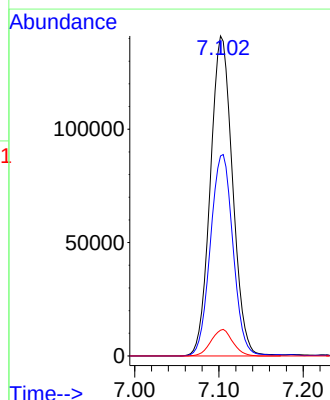
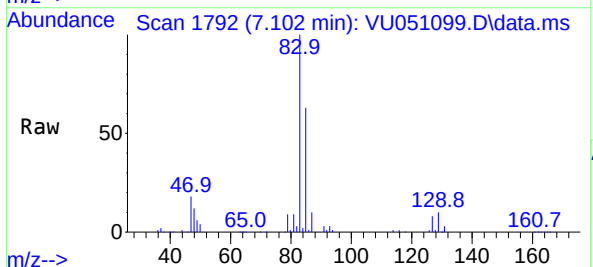
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

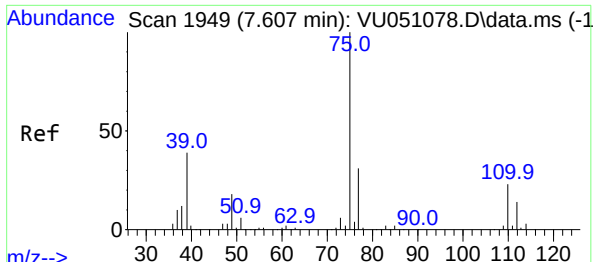
Tgt Ion: 63 Resp: 204481
Ion Ratio Lower Upper
63 100
112 4.1 3.3 4.9



#38
Bromodichloromethane
Concen: 58.114 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 83 Resp: 258564
Ion Ratio Lower Upper
83 100
85 62.5 45.1 83.7
127 8.1 6.7 10.1

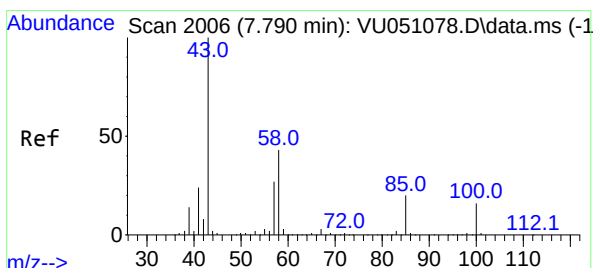
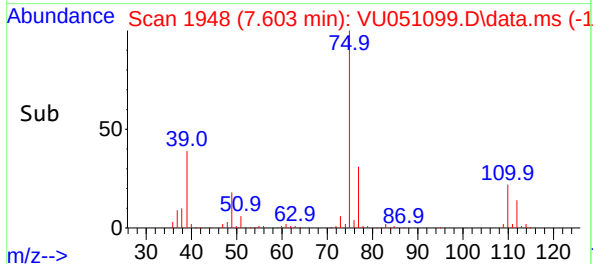
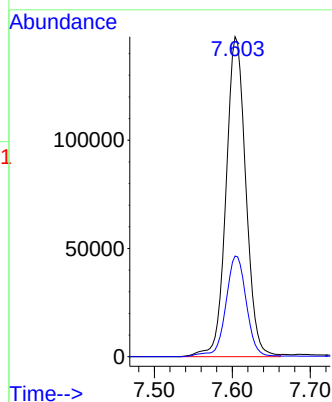
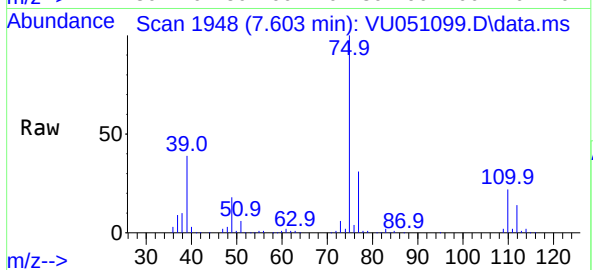




#39
 cis-1,3-Dichloropropene
 Concen: 55.413 ug/L
 RT: 7.603 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VU051099.D
 Acq: 03 Oct 2022 22:24

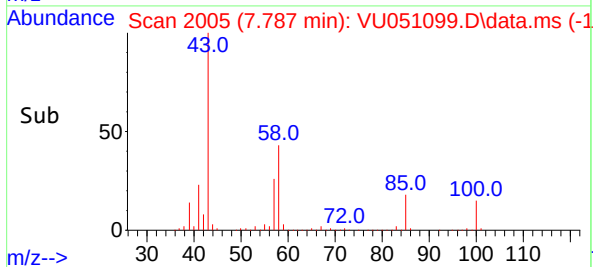
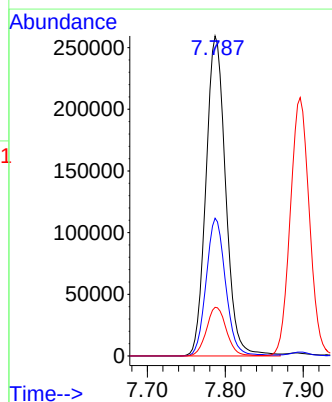
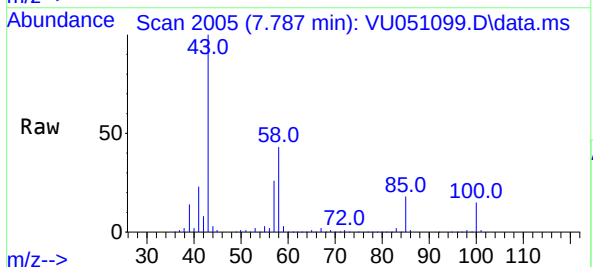
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

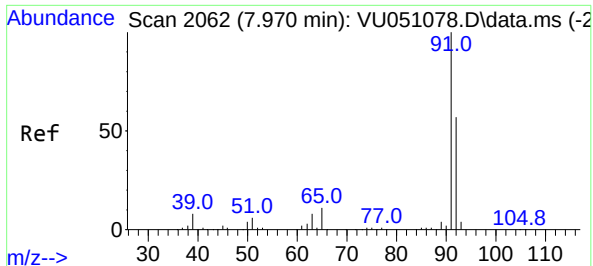
Tgt Ion: 75 Resp: 261638
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 94.538 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. -0.003 min
 Lab File: VU051099.D
 Acq: 03 Oct 2022 22:24

Tgt Ion: 43 Resp: 456445
 Ion Ratio Lower Upper
 43 100
 58 42.5 35.0 52.4
 100 15.4 13.3 19.9

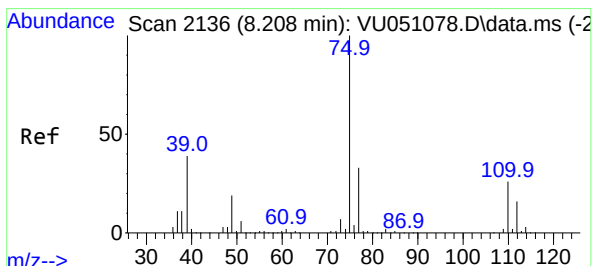
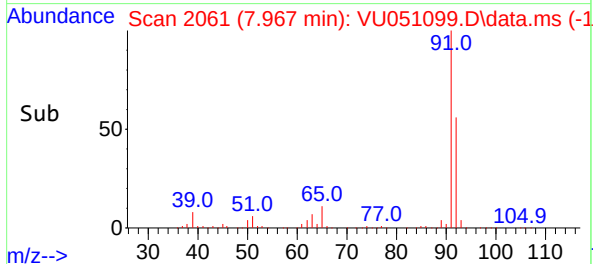
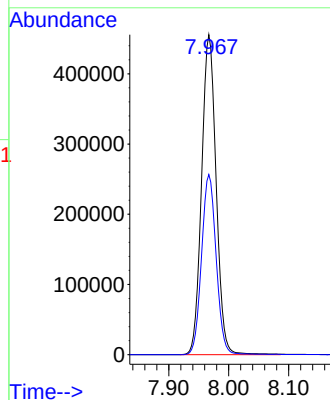
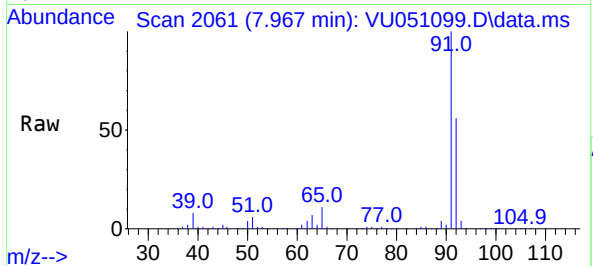




#42
Toluene
Concen: 58.514 ug/L
RT: 7.967 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

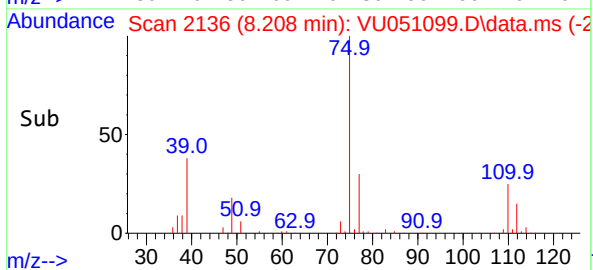
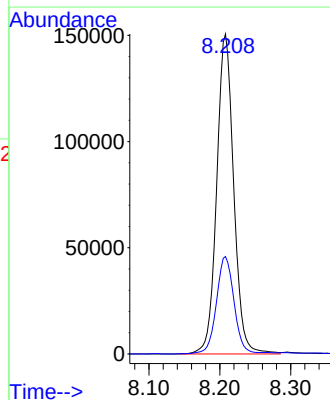
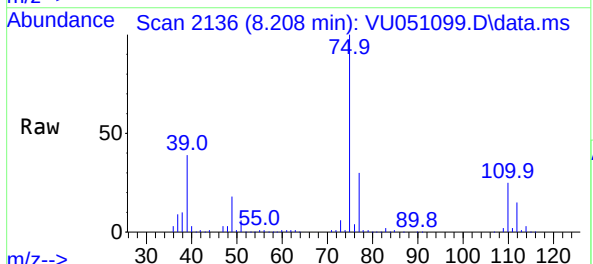
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

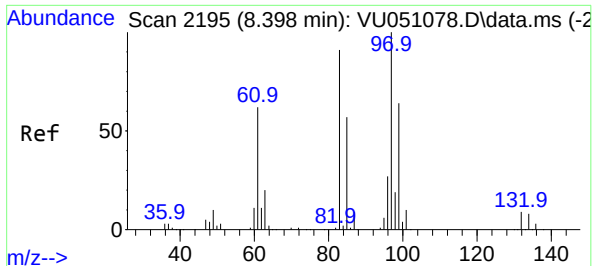
Tgt Ion: 91 Resp: 770547
Ion Ratio Lower Upper
91 100
92 56.3 40.1 74.5



#44
trans-1,3-Dichloropropene
Concen: 52.580 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 75 Resp: 251017
Ion Ratio Lower Upper
75 100
77 30.4 22.7 42.3



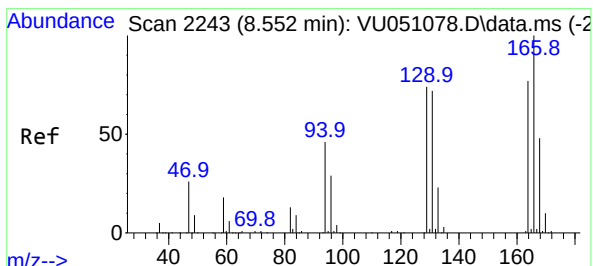
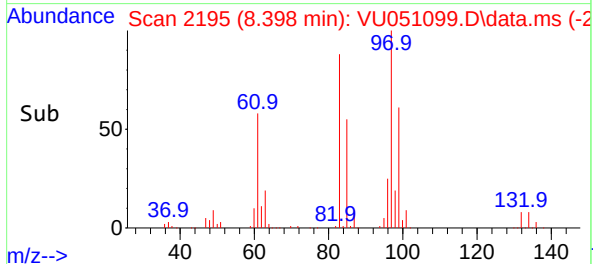
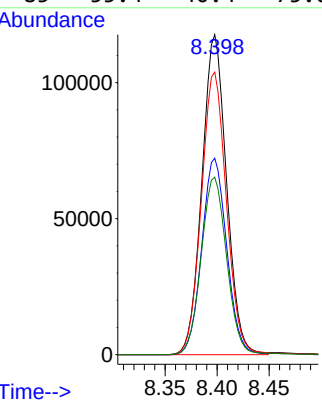
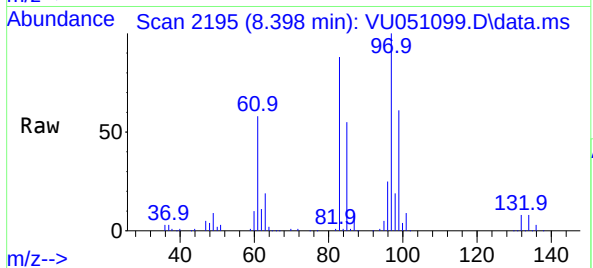


#45
1,1,2-Trichloroethane
Concen: 53.744 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

Tgt Ion: 97 Resp: 194084

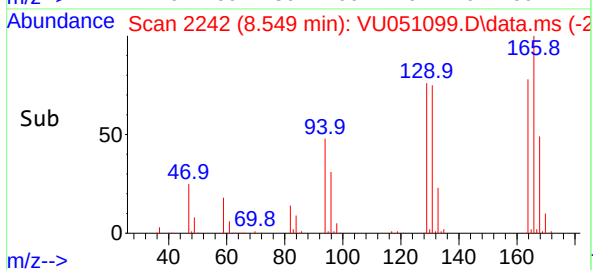
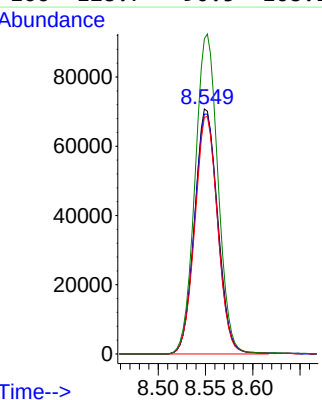
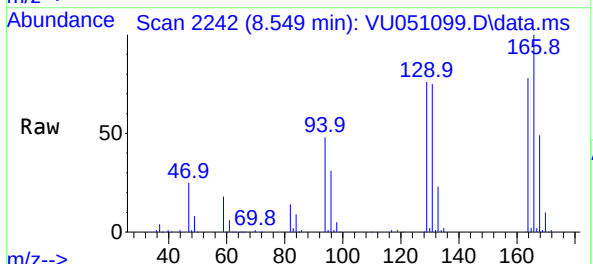
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.4	82.4
83	88.3	61.7	114.5
85	55.4	40.4	75.0

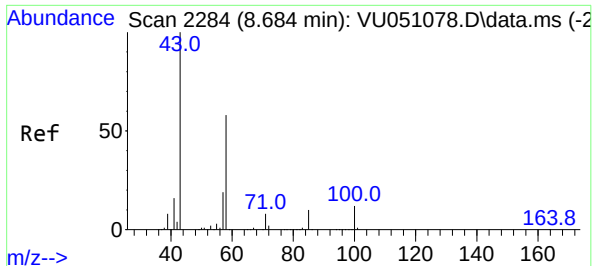


#46
Tetrachloroethene
Concen: 49.712 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 164 Resp: 120805

Ion	Ratio	Lower	Upper
164	100		
129	97.9	68.1	126.5
131	96.6	67.8	126.0
166	128.7	90.5	168.1





#48

2-Hexanone

Concen: 83.864 ug/L

RT: 8.681 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

Tgt Ion: 43 Resp: 367777

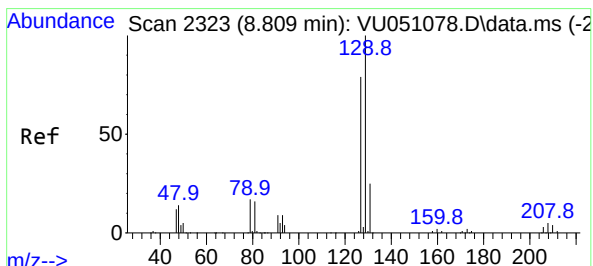
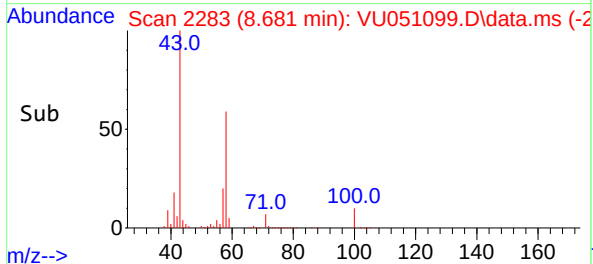
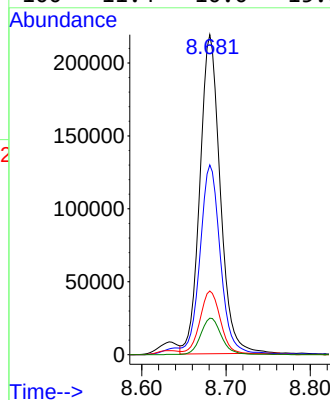
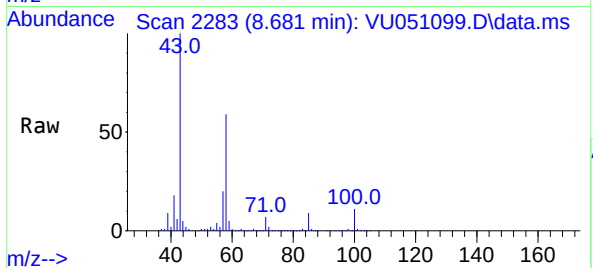
Ion Ratio Lower Upper

43 100

58 59.4 48.3 72.5

57 20.6 15.9 23.9

100 11.4 10.0 15.0



#49

Dibromochloromethane

Concen: 52.885 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. -0.000 min

Lab File: VU051099.D

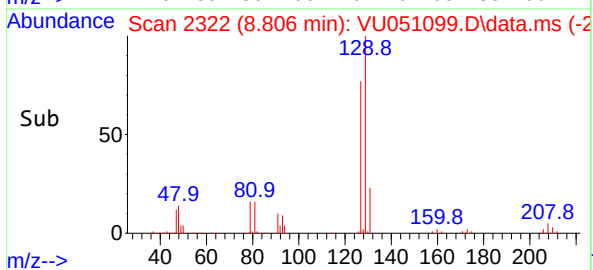
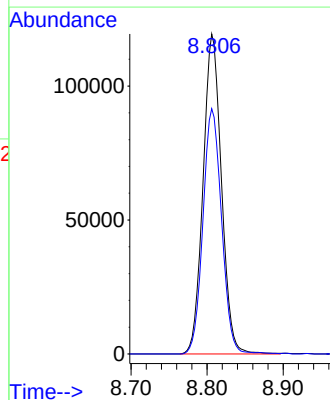
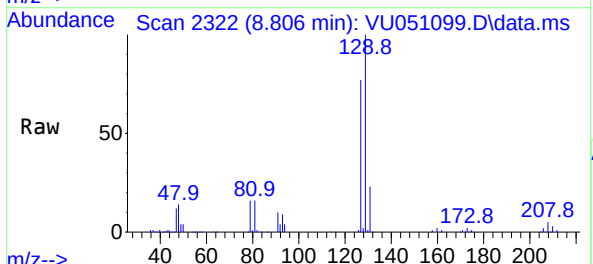
Acq: 03 Oct 2022 22:24

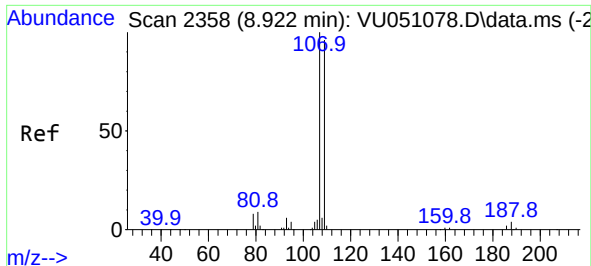
Tgt Ion: 129 Resp: 200792

Ion Ratio Lower Upper

129 100

127 76.7 52.8 98.0

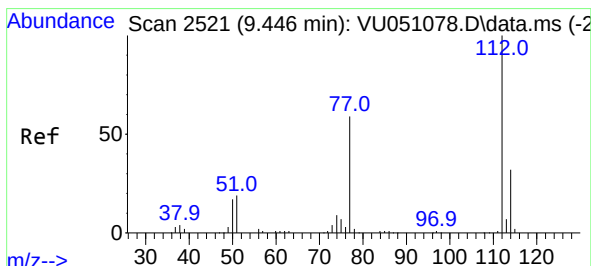
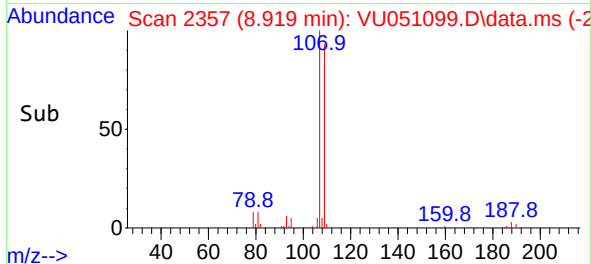
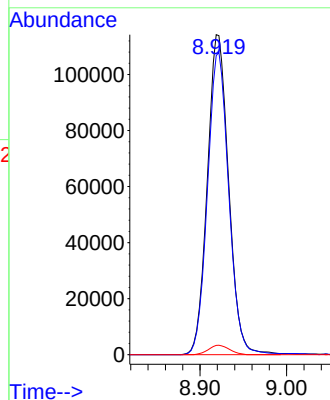
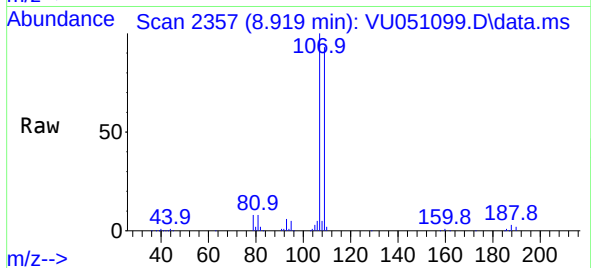




#50
1,2-Dibromoethane
Concen: 49.813 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

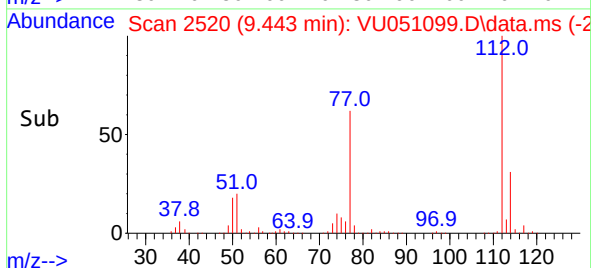
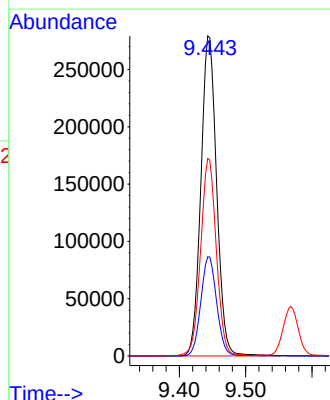
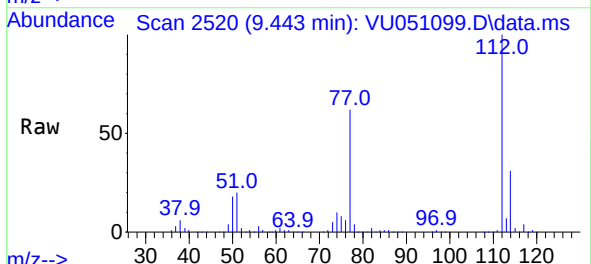
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

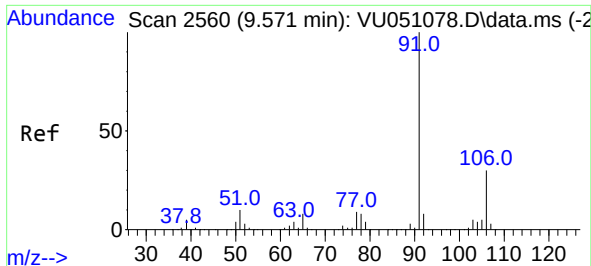
Tgt Ion:107 Resp: 195034
Ion Ratio Lower Upper
107 100
109 93.4 64.1 119.1
188 2.9 2.9 4.3



#51
Chlorobenzene
Concen: 51.400 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion:112 Resp: 460297
Ion Ratio Lower Upper
112 100
114 31.0 22.3 41.3
77 61.7 48.2 72.2





#52

Ethylbenzene

Concen: 52.142 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

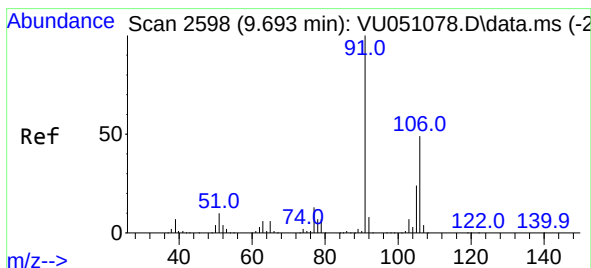
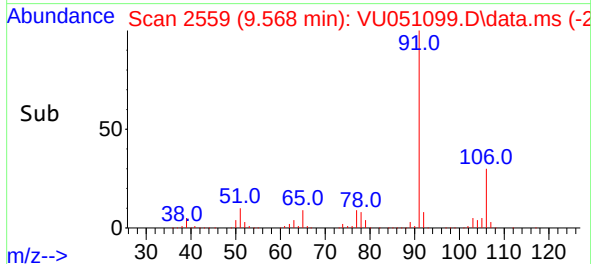
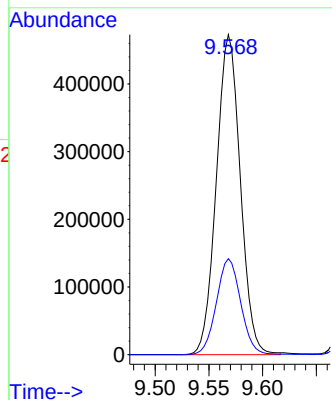
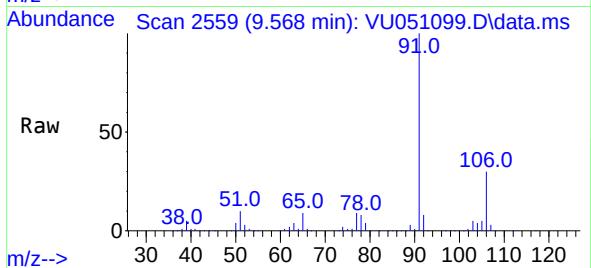
VSTD050106

Tgt Ion: 91 Resp: 732405

Ion Ratio Lower Upper

91 100

106 30.0 21.7 40.3



#53

m,p-Xylene

Concen: 54.769 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.000 min

Lab File: VU051099.D

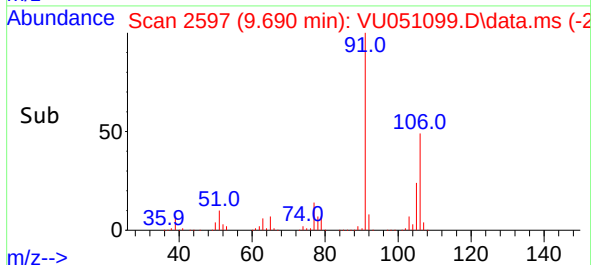
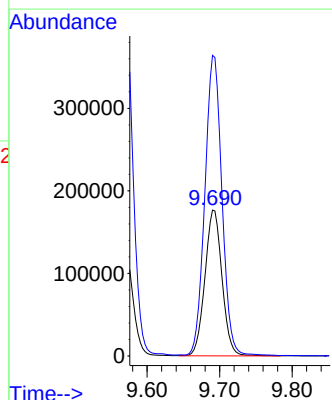
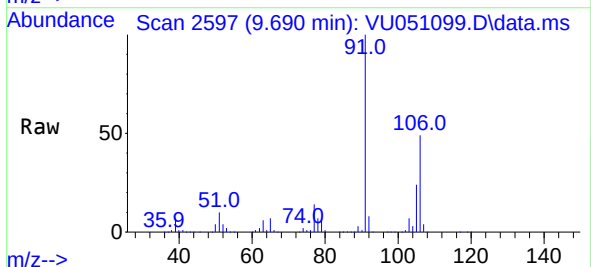
Acq: 03 Oct 2022 22:24

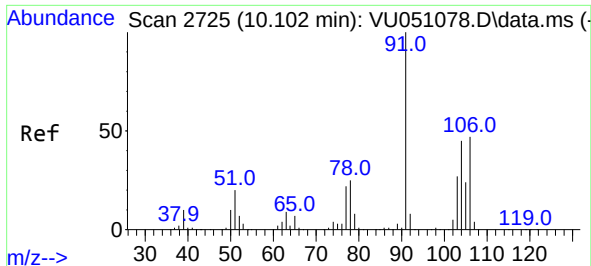
Tgt Ion: 106 Resp: 289297

Ion Ratio Lower Upper

106 100

91 206.0 141.9 263.5

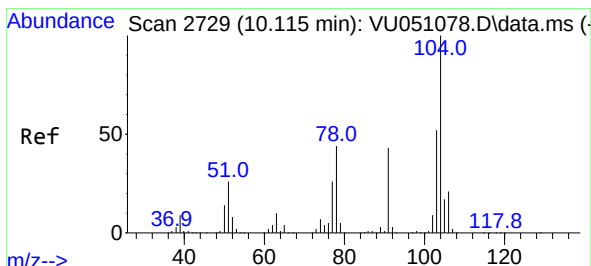
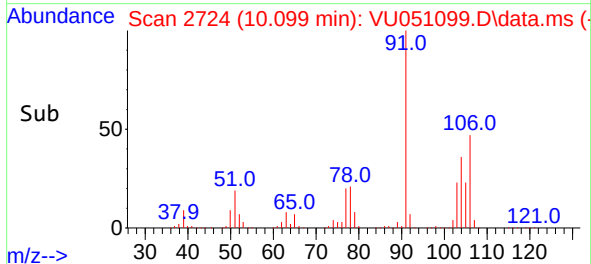
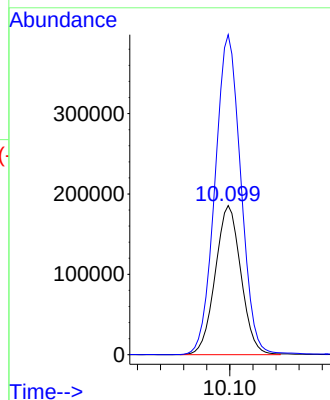
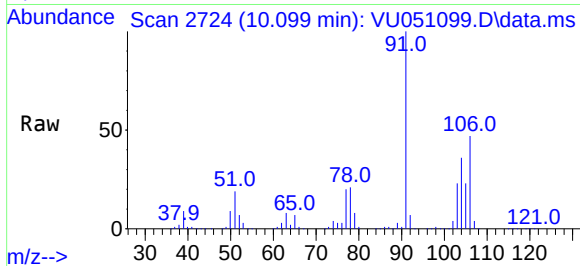




#54
o-Xylene
Concen: 54.361 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

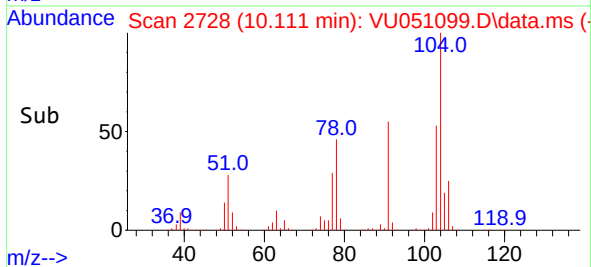
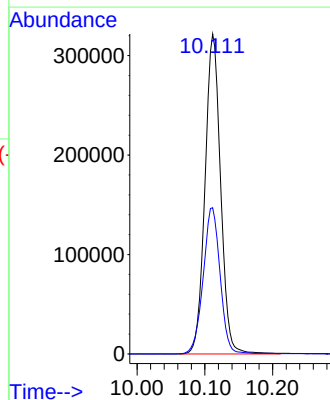
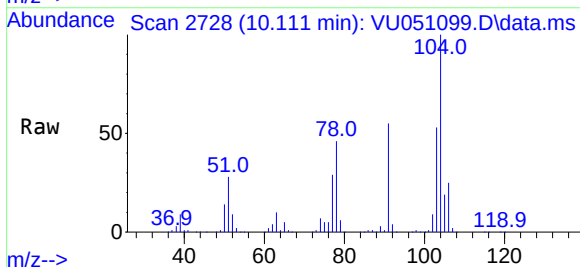
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

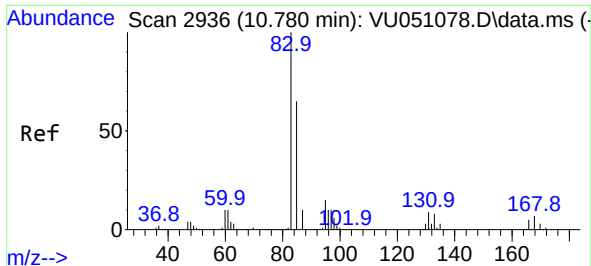
Tgt Ion:106 Resp: 287003
Ion Ratio Lower Upper
106 100
91 214.6 152.4 283.0



#55
Styrene
Concen: 56.385 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion:104 Resp: 514515
Ion Ratio Lower Upper
104 100
78 45.7 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 51.548 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

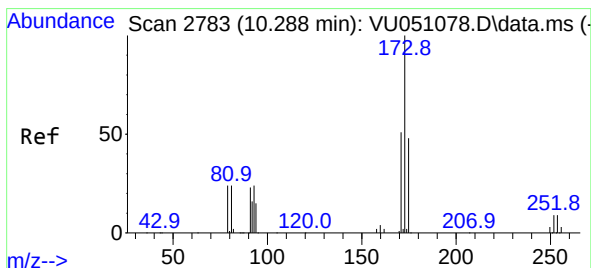
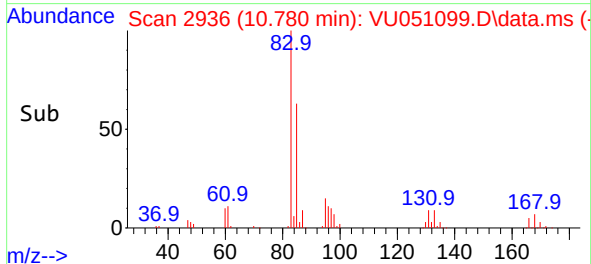
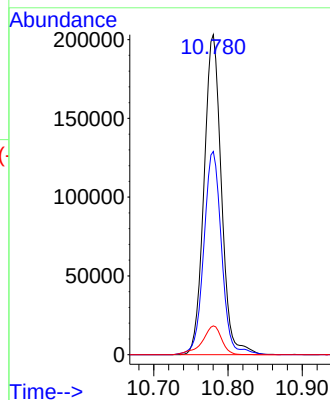
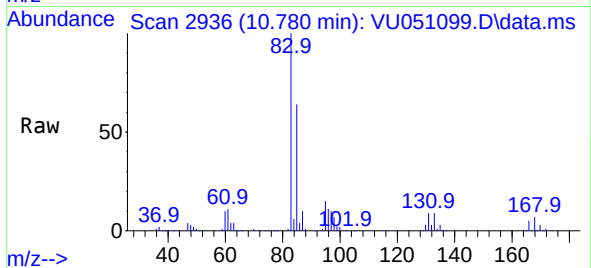
Tgt Ion: 83 Resp: 329454

Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

131 9.0 7.0 10.4



#59

Bromoform

Concen: 46.353 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

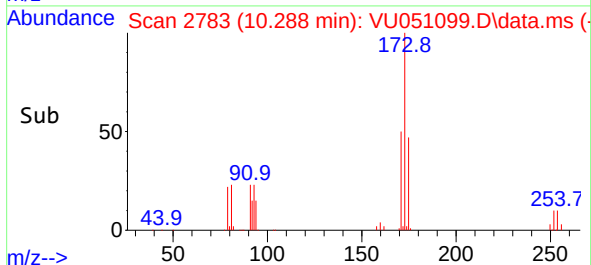
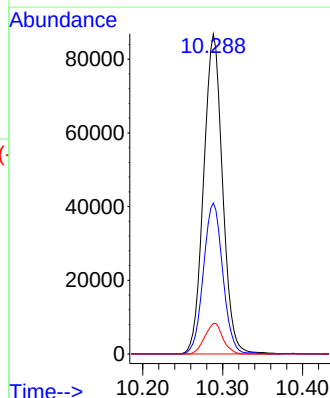
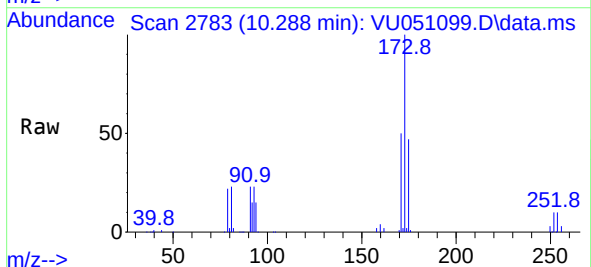
Tgt Ion:173 Resp: 143168

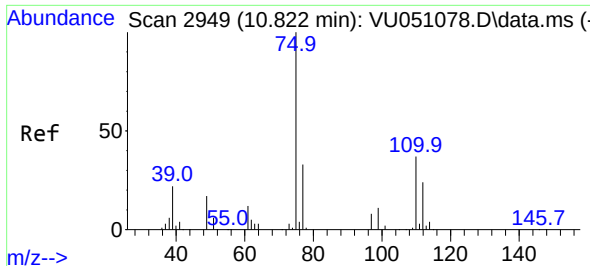
Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.0

254 9.1 7.4 11.0

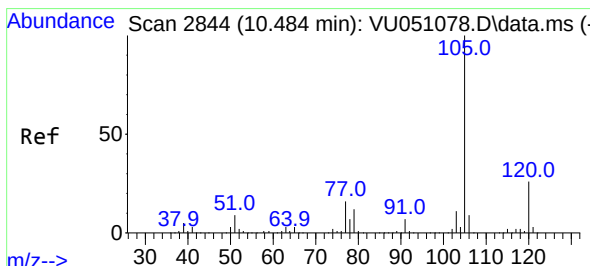
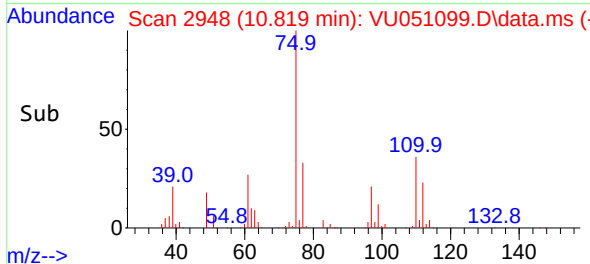
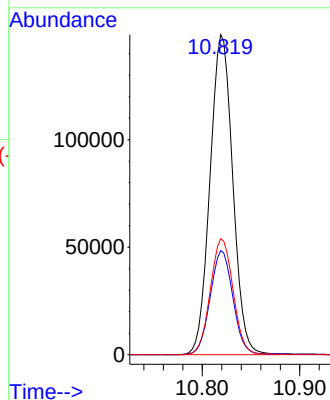
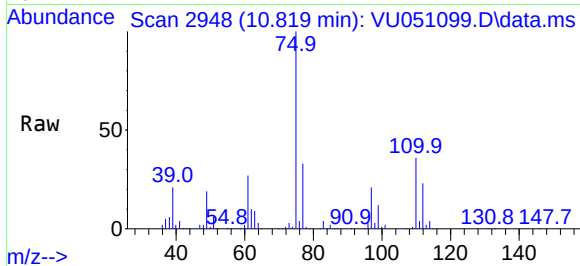




#60
1,2,3-Trichloropropane
Concen: 43.711 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

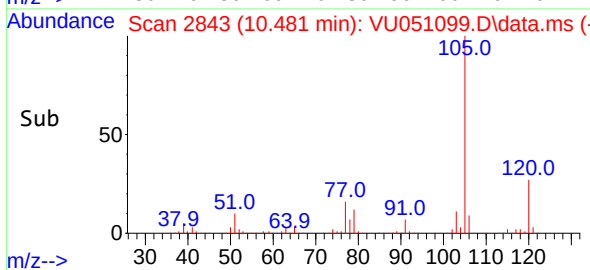
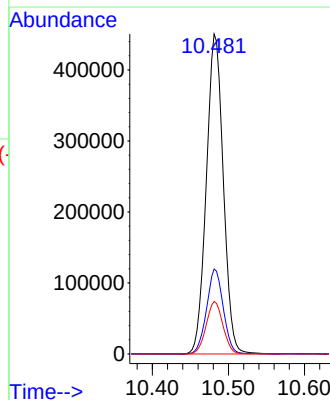
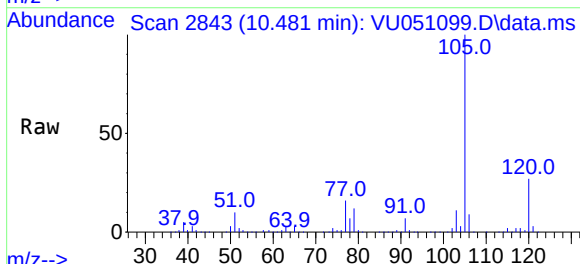
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

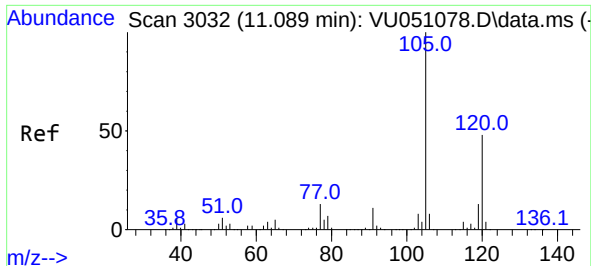
Tgt Ion: 75 Resp: 241468
Ion Ratio Lower Upper
75 100
77 32.5 26.1 39.1
110 36.2 30.0 45.0



#61
Isopropylbenzene
Concen: 51.214 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion: 105 Resp: 698385
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 16.2 12.8 19.2

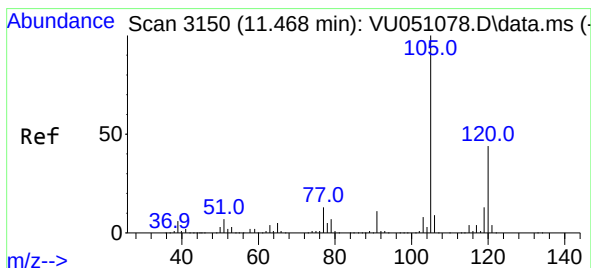
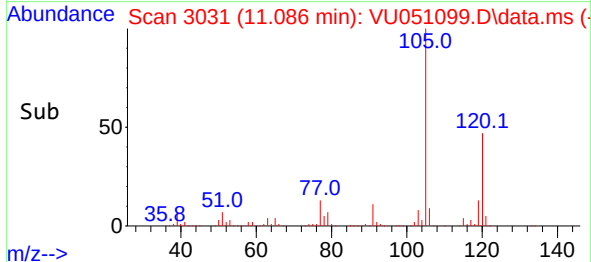
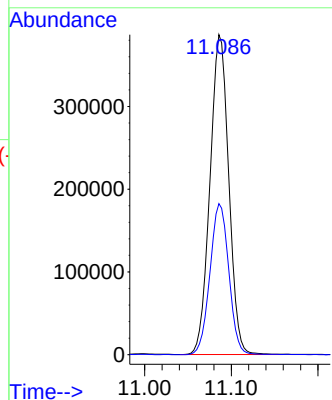
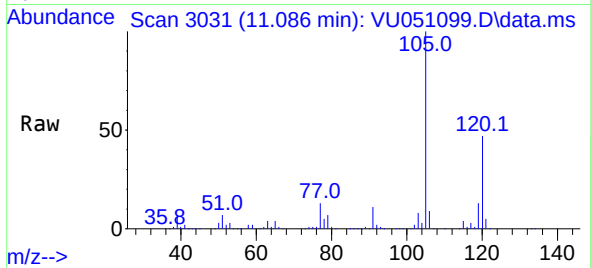




#62
 1,3,5-Trimethylbenzene
 Concen: 52.162 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU051099.D
 Acq: 03 Oct 2022 22:24

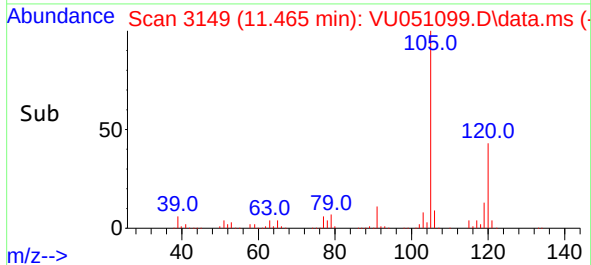
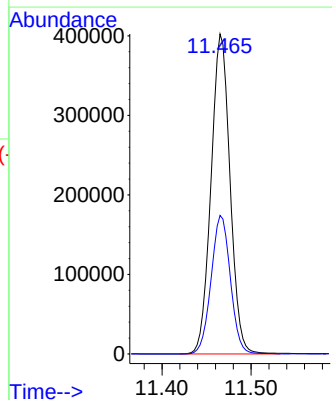
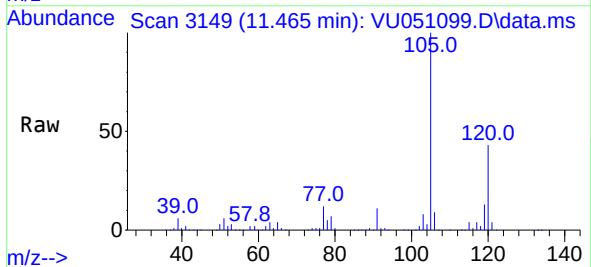
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

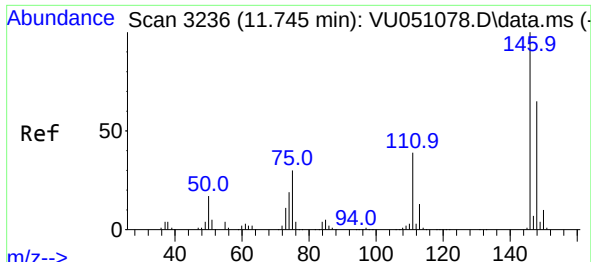
Tgt Ion:105 Resp: 581641
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 53.415 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051099.D
 Acq: 03 Oct 2022 22:24

Tgt Ion:105 Resp: 596965
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.5 53.3

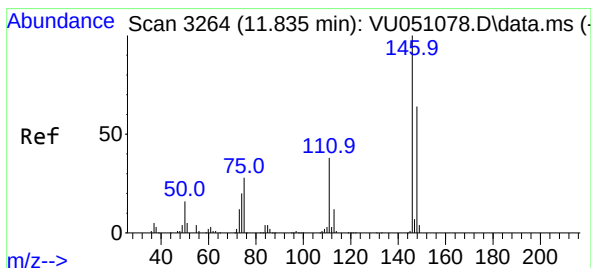
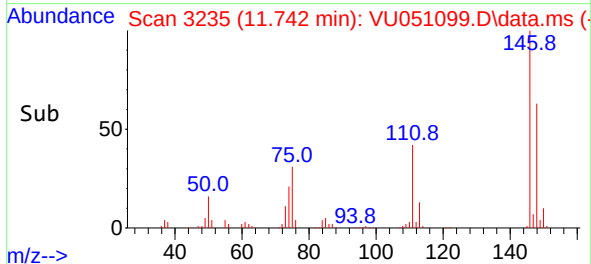
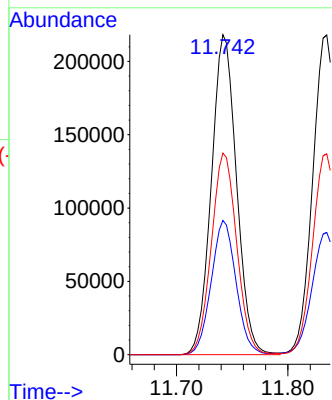
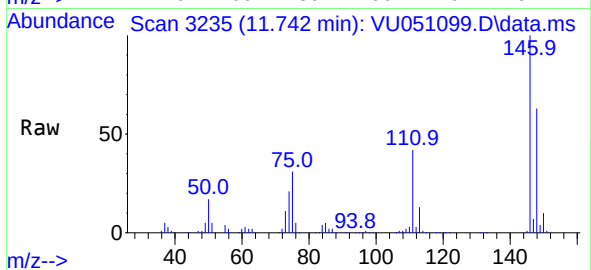




#64
1,3-Dichlorobenzene
Concen: 48.763 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

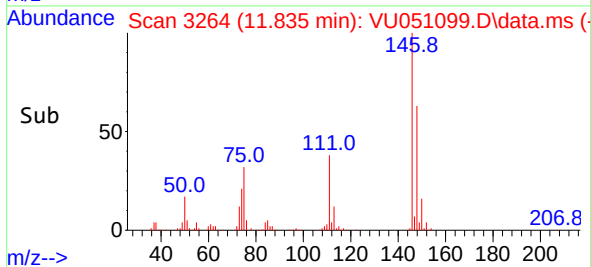
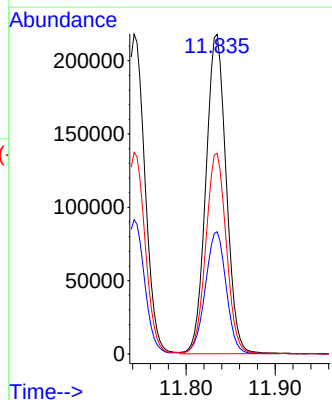
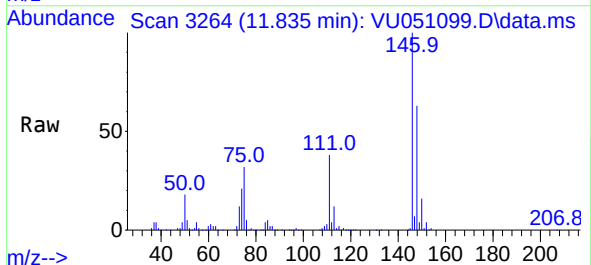
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

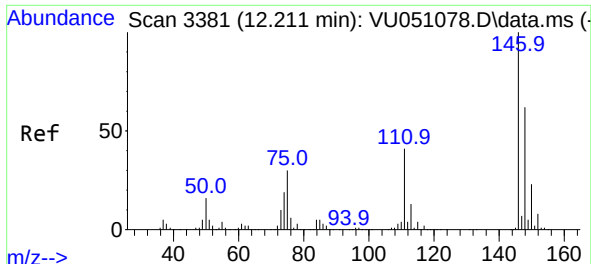
Tgt Ion:146 Resp: 342800
Ion Ratio Lower Upper
146 100
111 41.9 28.2 52.4
148 63.0 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 49.148 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion:146 Resp: 345381
Ion Ratio Lower Upper
146 100
111 38.3 27.0 50.2
148 62.8 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 49.906 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

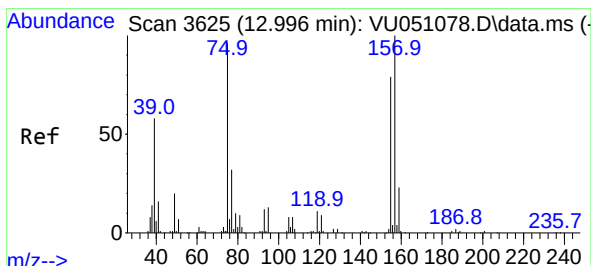
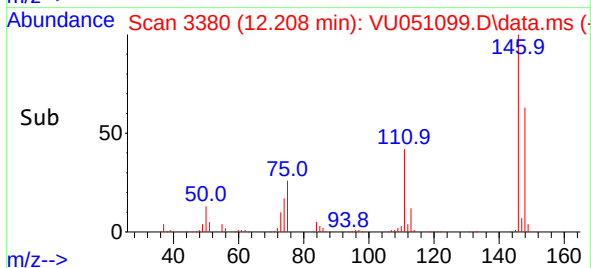
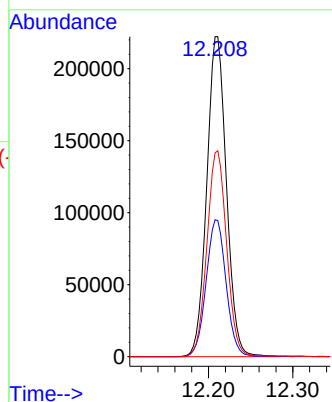
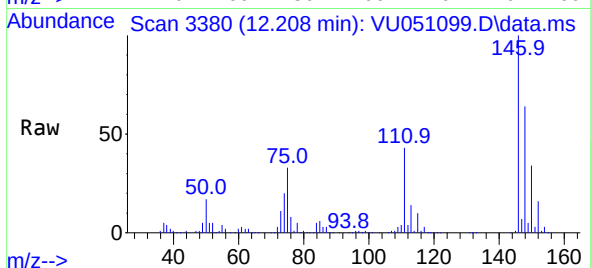
Tgt Ion:146 Resp: 360459

Ion Ratio Lower Upper

146 100

111 42.8 33.7 50.5

148 63.7 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 37.777 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051099.D

Acq: 03 Oct 2022 22:24

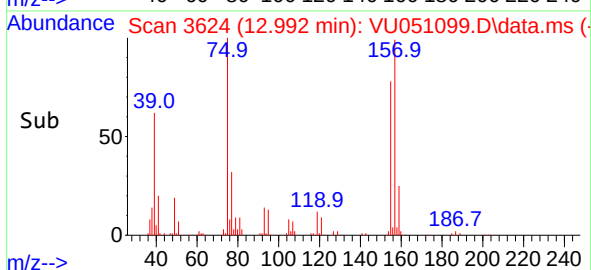
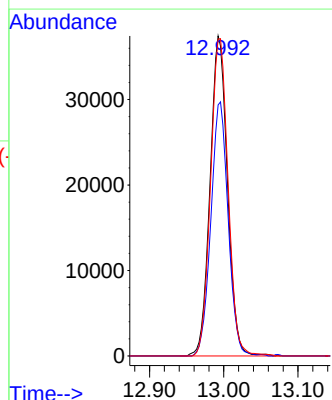
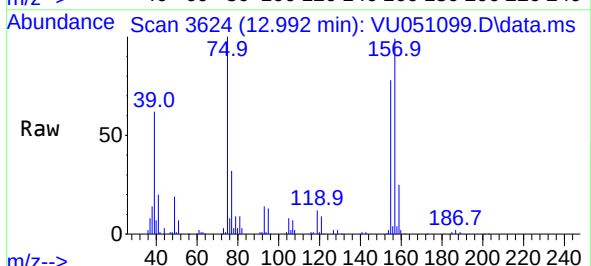
Tgt Ion: 75 Resp: 60899

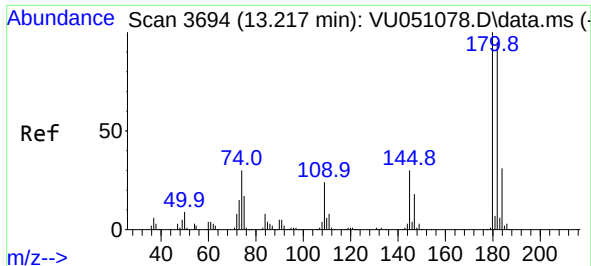
Ion Ratio Lower Upper

75 100

155 78.5 64.4 96.6

157 99.1 82.2 123.2



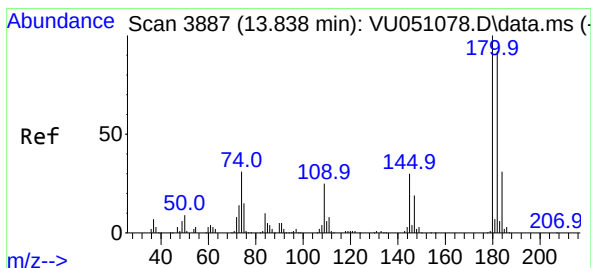
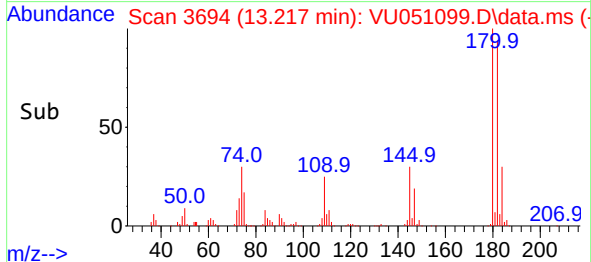
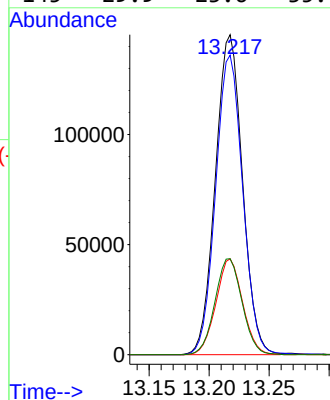
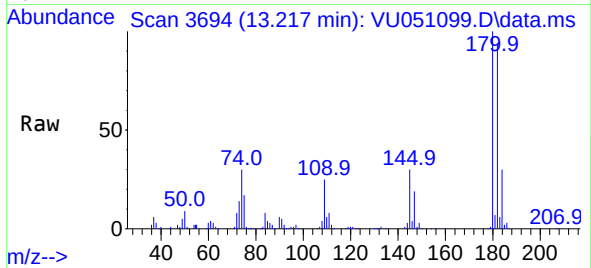


#69
1,3,5-Trichlorobenzene
Concen: 47.923 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

Tgt Ion:180 Resp: 228458

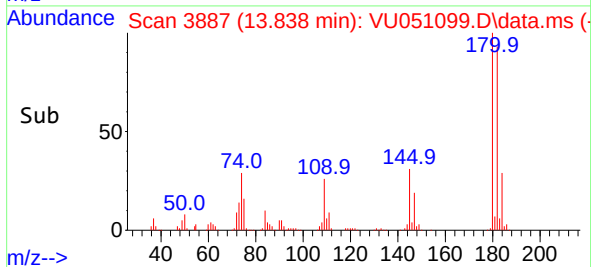
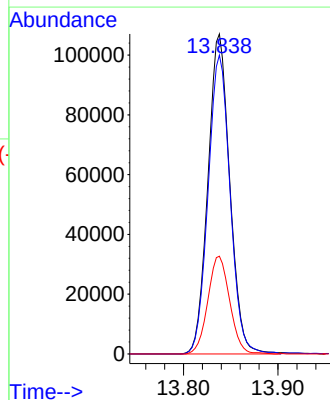
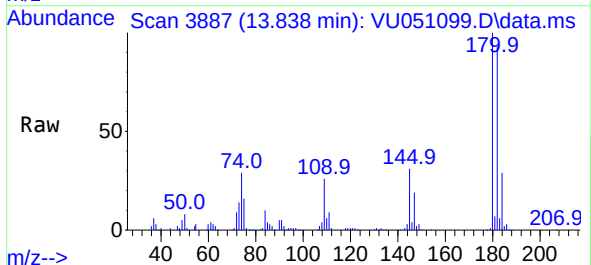
Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.0	115.4
184	29.4	24.4	36.6
145	29.9	23.6	35.4

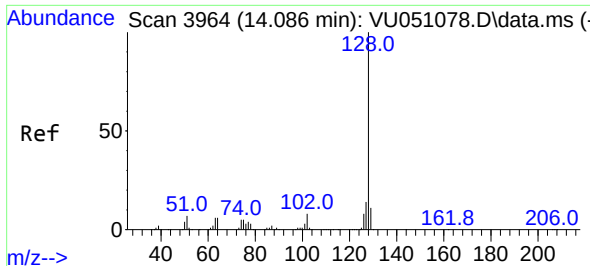


#70
1,2,4-trichlorobenzene
Concen: 44.078 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion:180 Resp: 171925

Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.9	113.9
145	30.4	24.0	36.0



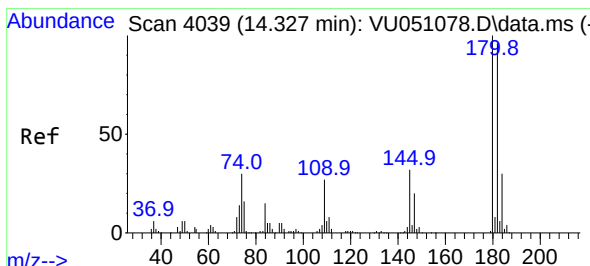
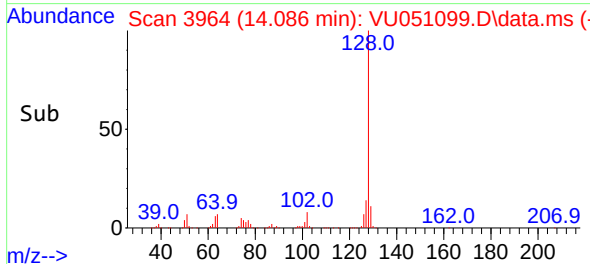
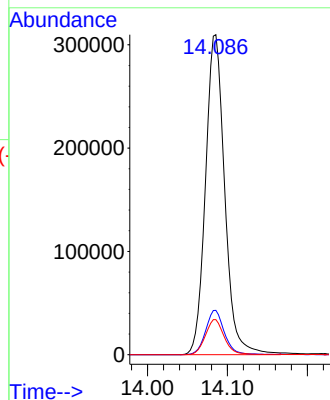
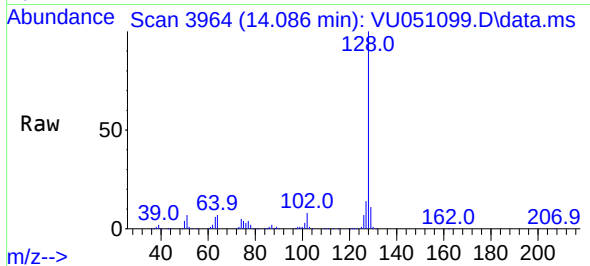


#71
Naphthalene
Concen: 37.152 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

Tgt Ion:128 Resp: 518664

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.8	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 44.340 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051099.D
Acq: 03 Oct 2022 22:24

Tgt Ion:180 Resp: 192989

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
145	32.5	26.1	39.1

