

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110922\
 Data File : VU051796.D
 Acq On : 09 Nov 2022 15:05
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

Quant Time: Nov 10 01:05:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 10 01:04:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	220827	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	223531	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	114950	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	64394	3.872	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.909	69	61823	3.564	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	2.565	65	27483	4.553	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.626	46	180319	29.937	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	59.880%
24) Chloroform-d	5.060	84	147803	3.798	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
26) 1,2-Dichloroethane-d4	5.700	65	73268	3.485	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.600%#
32) Benzene-d6	5.726	84	287195	4.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.690	67	92475	3.749	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.000%
41) Toluene-d8	7.896	98	269238	4.854	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	8.179	79	33076	4.386	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.632	63	147376	32.461	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.920%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	83538	3.696	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	94945	4.500	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	78049	3.232	ug/L	96
3) Chloromethane	1.523	50	89040	2.925	ug/L	98
5) Vinyl chloride	1.601	62	92246	3.163	ug/L	92
6) Bromomethane	1.855	94	30752	2.224	ug/L	95
8) Chloroethane	1.932	64	60847	3.436	ug/L	99
9) Trichlorofluoromethane	2.137	101	117384	3.667	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	72403	3.847	ug/L	98
12) 1,1-Dichloroethene	2.578	96	66624	3.470	ug/L	95
13) Acetone	2.636	43	134868	44.131	ug/L	99
14) Carbon disulfide	2.790	76	164664	2.661	ug/L	99
15) Methyl Acetate	2.951	43	31873	3.984	ug/L	99
16) Methylene chloride	3.044	84	131806	4.192	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	177129	4.024	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	73820	3.583	ug/L	98
19) 1,1-Dichloroethane	3.867	63	151623	3.990	ug/L	99
21) 2-Butanone	4.703	43	215082	44.940	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	87639	3.844	ug/L	97
23) Bromochloromethane	4.973	128	42858	4.021	ug/L	97
25) Chloroform	5.086	83	168109	4.264	ug/L	99

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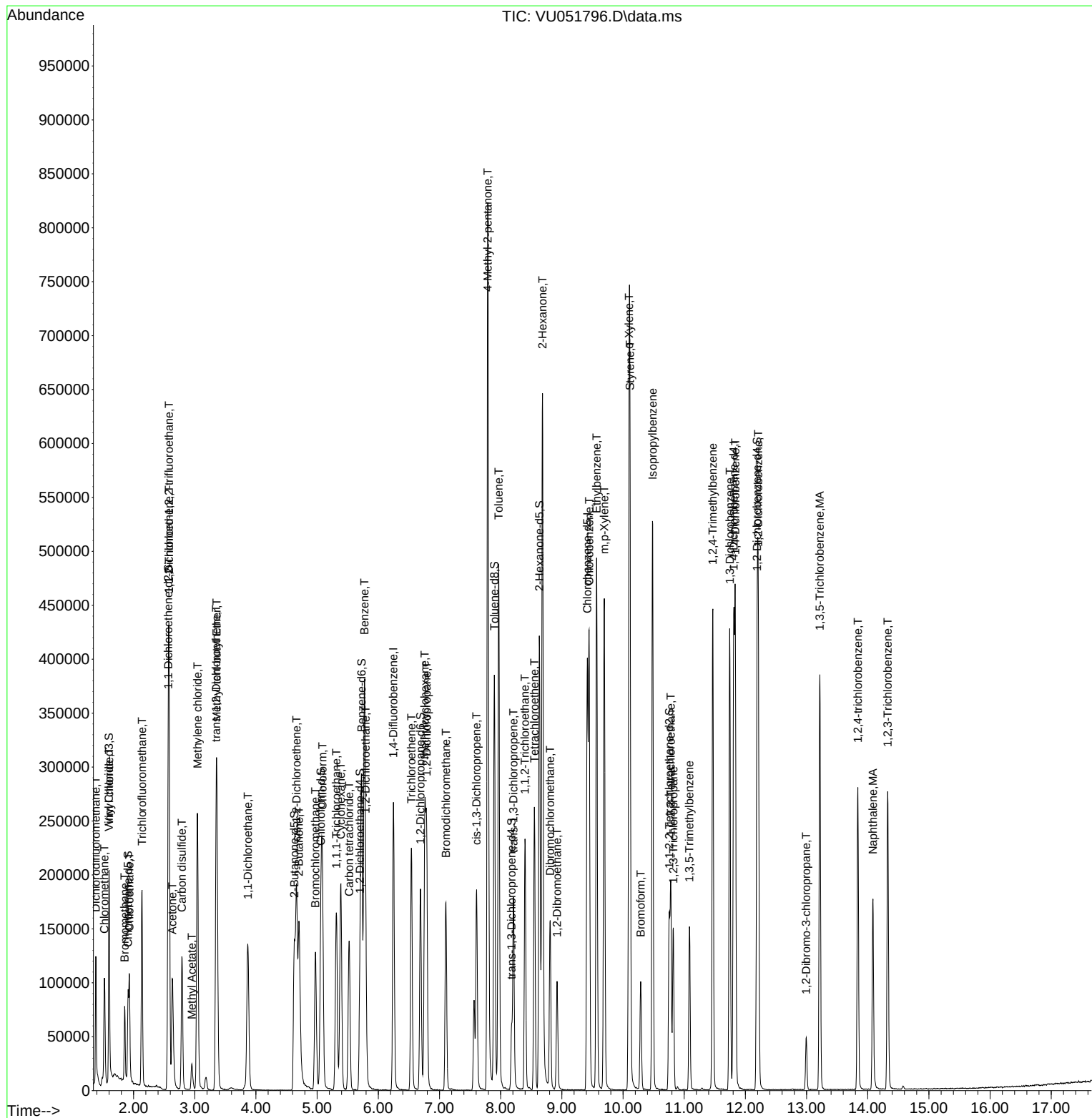
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	97701	4.027	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	120651	3.975	ug/L	100
30) Cyclohexane	5.388	56	85574	3.062	ug/L	99
31) Carbon tetrachloride	5.523	117	97269	3.747	ug/L	99
33) Benzene	5.774	78	341986	3.877	ug/L	100
34) Trichloroethene	6.539	95	80706	3.791	ug/L	99
35) Methylcyclohexane	6.761	83	90789	3.084	ug/L	96
37) 1,2-Dichloropropane	6.790	63	95239	4.198	ug/L	100
38) Bromodichloromethane	7.105	83	117969	4.257	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	116876	4.015	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	508519	44.685	ug/L	100
42) Toluene	7.967	91	368846	4.071	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	102987	4.234	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	73291	4.408	ug/L	98
47) Tetrachloroethene	8.552	164	59949	3.677	ug/L	95
48) 2-Hexanone	8.684	43	384903	45.694	ug/L	98
49) Dibromochloromethane	8.809	129	82950	4.367	ug/L	98
50) 1,2-Dibromoethane	8.922	107	64415	4.294	ug/L	97
51) Chlorobenzene	9.446	112	234336	4.110	ug/L	99
52) Ethylbenzene	9.568	91	338249	3.870	ug/L	99
53) m,p-Xylene	9.693	106	133673	3.937	ug/L	99
54) o-Xylene	10.099	106	133523	4.024	ug/L	99
55) Styrene	10.115	104	239359	4.315	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.780	83	93631	4.542	ug/L	98
59) Bromoform	10.288	173	46511	4.379	ug/L	99
60) Isopropylbenzene	10.484	105	335447	3.997	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	63564	4.276	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	84522	3.741	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	242959	3.730	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	179546	4.298	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	177589	4.240	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	174600	4.291	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	12979	4.240	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	121837	4.092	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	90948	3.978	ug/L	98
71) Naphthalene	14.086	128	147933	3.467	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	87386	3.786	ug/L	97

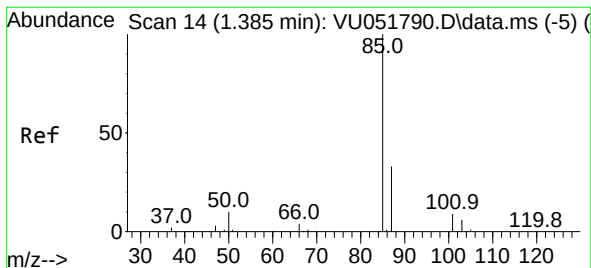
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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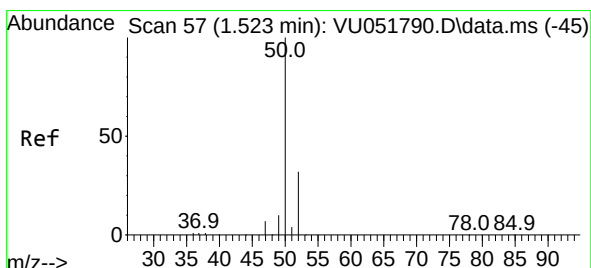
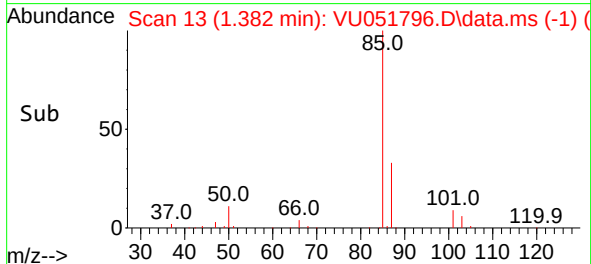
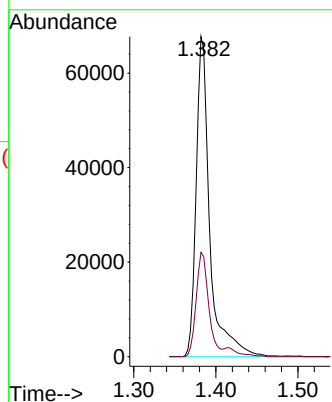
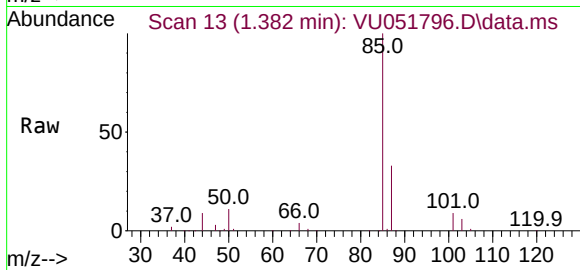




#2
 Dichlorodifluoromethane
 Concen: 3.232 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

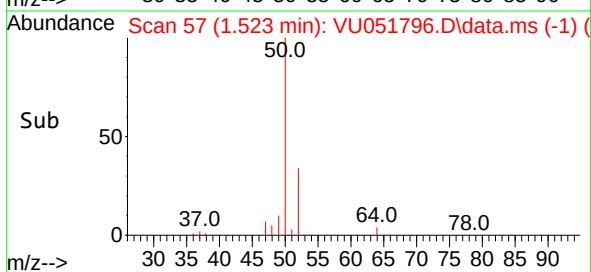
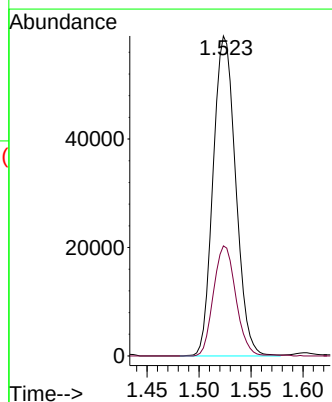
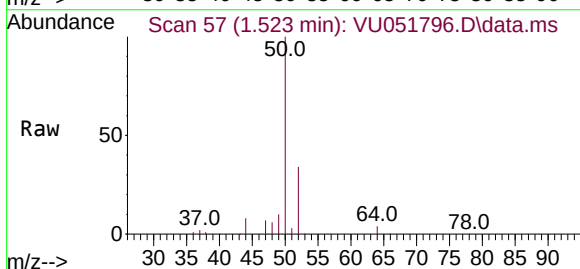
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

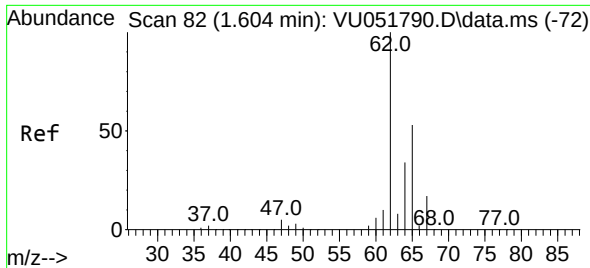
Tgt Ion: 85 Resp: 78049
 Ion Ratio Lower Upper
 85 100
 87 30.0 25.7 38.5



#3
 Chloromethane
 Concen: 2.925 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.000 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

Tgt Ion: 50 Resp: 89040
 Ion Ratio Lower Upper
 50 100
 52 34.4 23.2 43.2

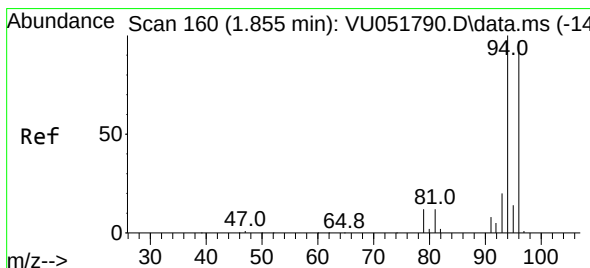
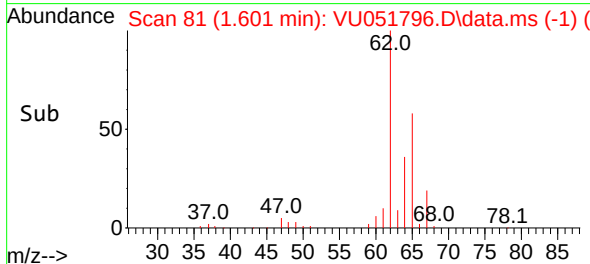
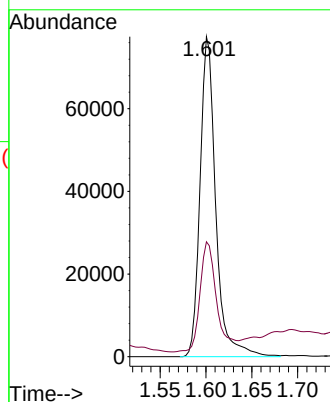
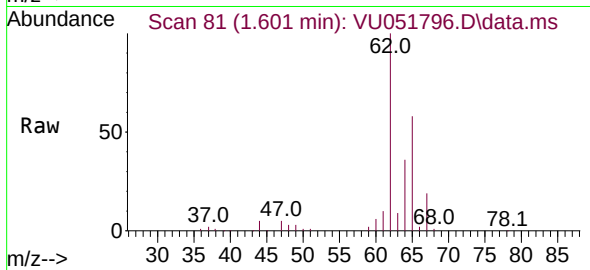




#5
 Vinyl chloride
 Concen: 3.163 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

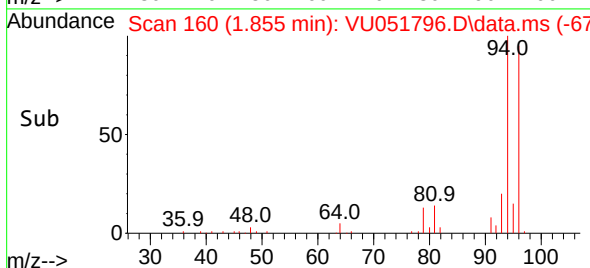
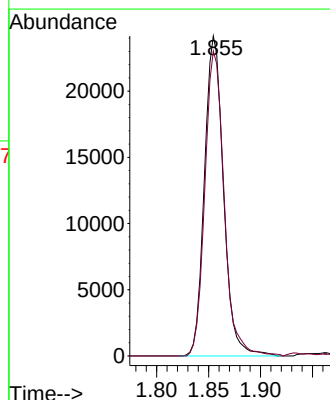
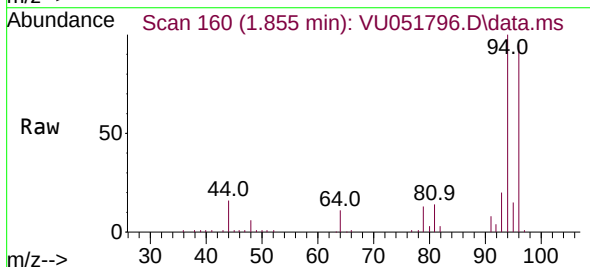
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

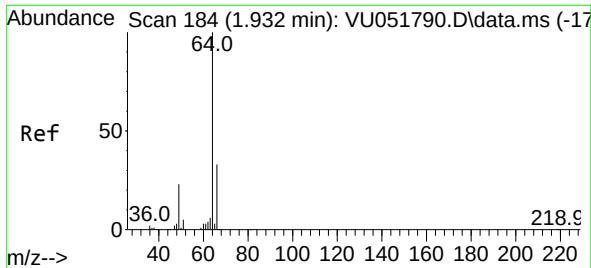
Tgt Ion: 62 Resp: 92246
 Ion Ratio Lower Upper
 62 100
 64 35.9 22.1 41.1



#6
 Bromomethane
 Concen: 2.224 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

Tgt Ion: 94 Resp: 30752
 Ion Ratio Lower Upper
 94 100
 96 95.3 63.2 117.4

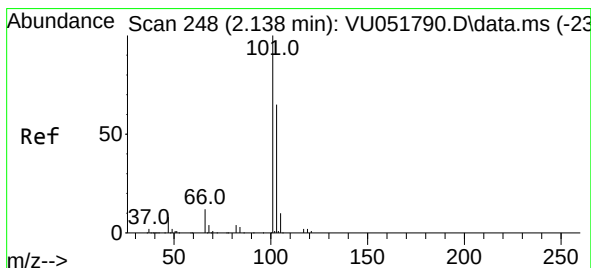
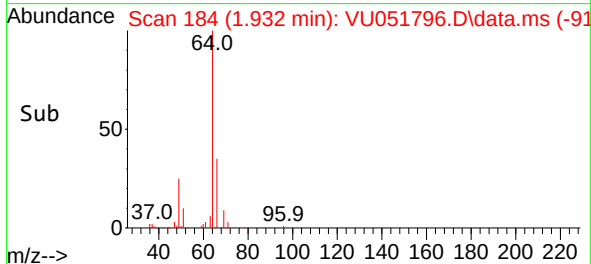
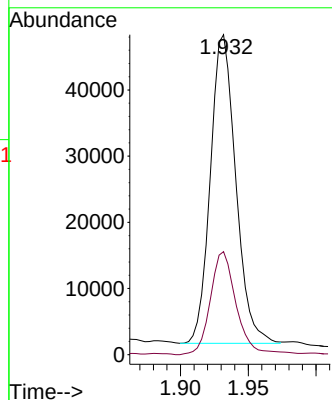
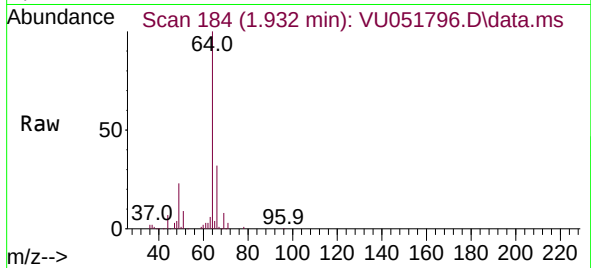




#8
Chloroethane
Concen: 3.436 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

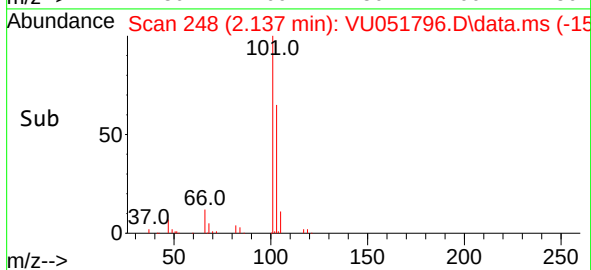
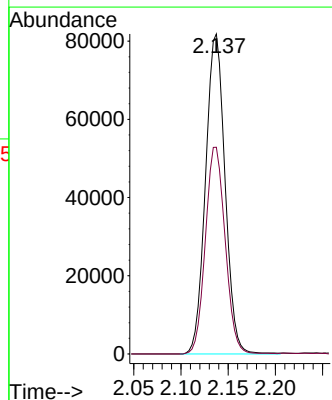
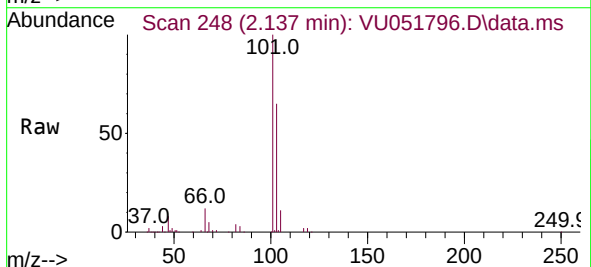
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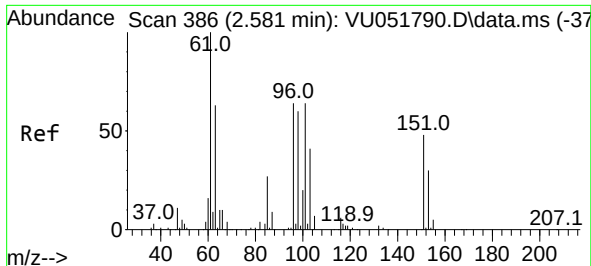
Tgt Ion: 64 Resp: 60847
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 3.667 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 101 Resp: 117384
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.847 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

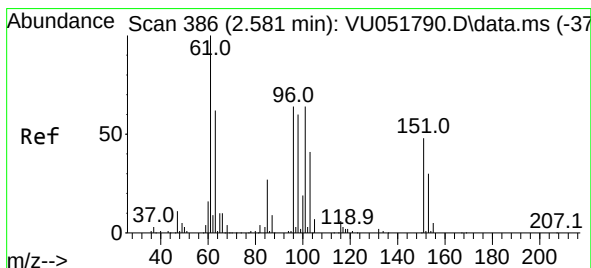
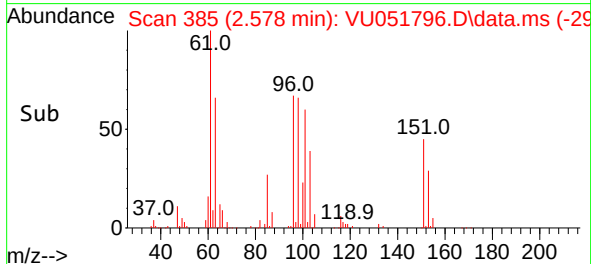
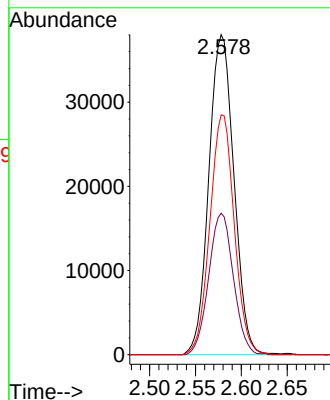
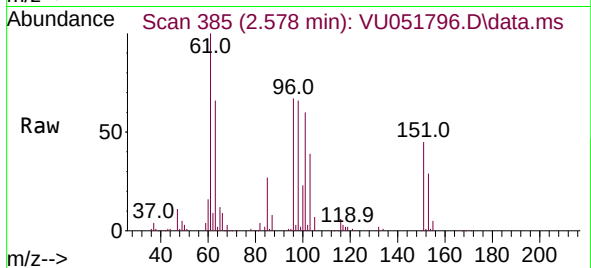
Tgt Ion:101 Resp: 72403

Ion Ratio Lower Upper

101 100

85 43.4 35.6 53.4

151 72.8 59.6 89.4



#12

1,1-Dichloroethene

Concen: 3.470 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

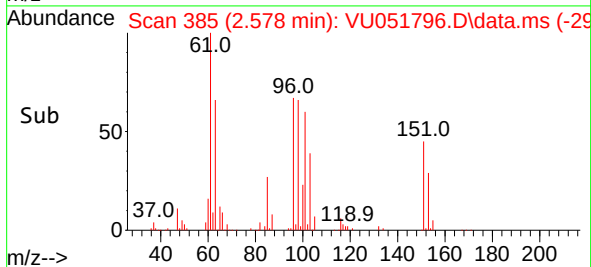
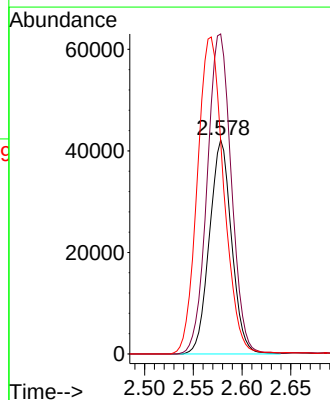
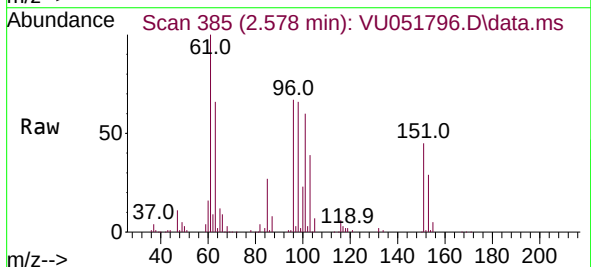
Tgt Ion: 96 Resp: 66624

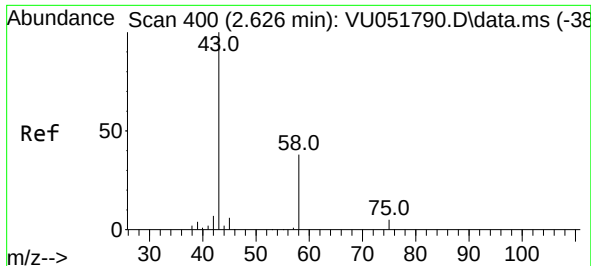
Ion Ratio Lower Upper

96 100

61 149.5 108.8 202.0

63 99.4 64.9 120.5





#13

Acetone

Concen: 44.131 ug/L

RT: 2.636 min Scan# 400

Delta R.T. 0.010 min

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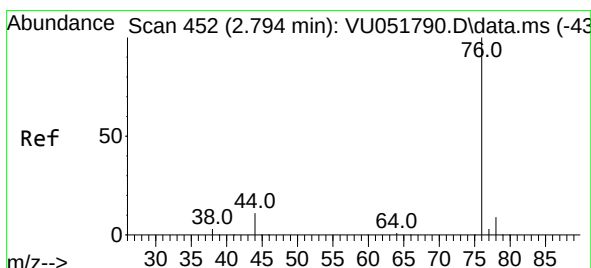
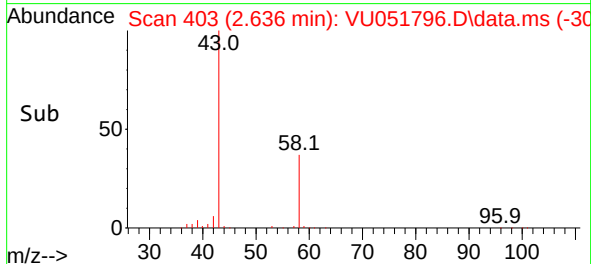
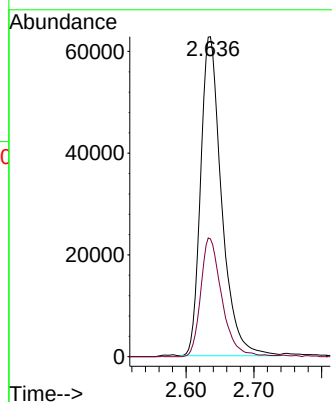
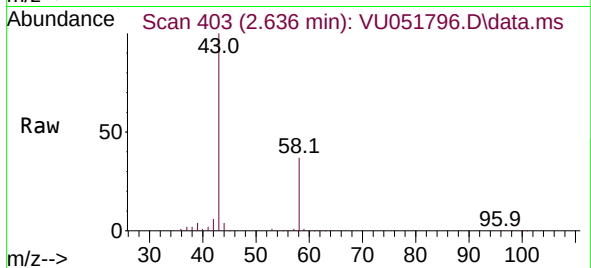
VSTD005195

Tgt Ion: 43 Resp: 134868

Ion Ratio Lower Upper

43 100

58 37.2 0.0 73.8



#14

Carbon disulfide

Concen: 2.661 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

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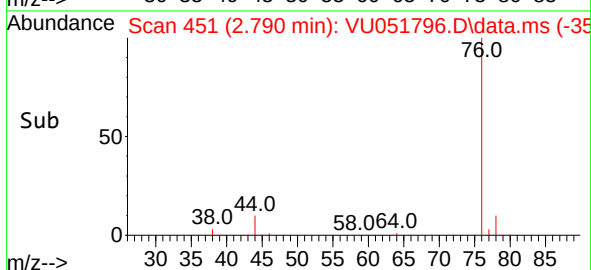
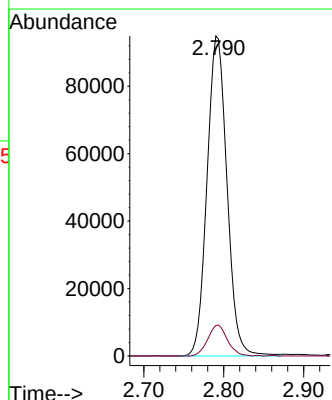
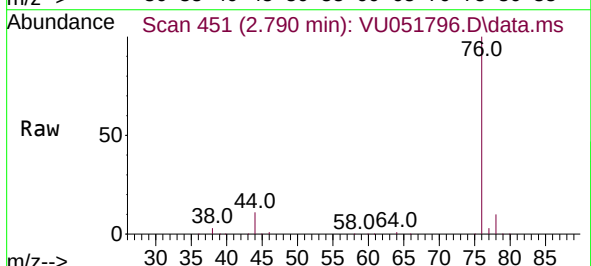
Acq: 09 Nov 2022 15:05

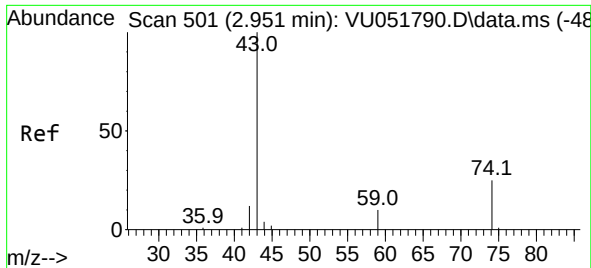
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Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

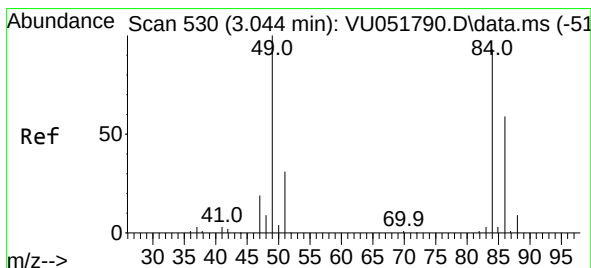
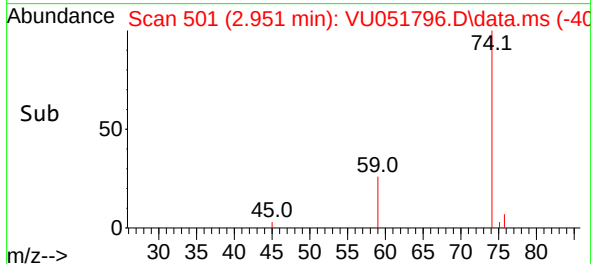
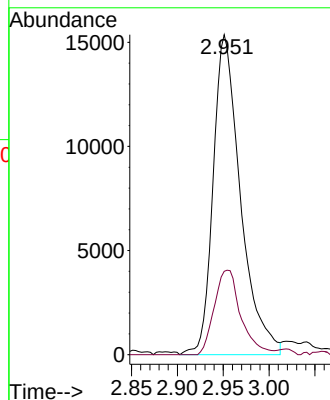
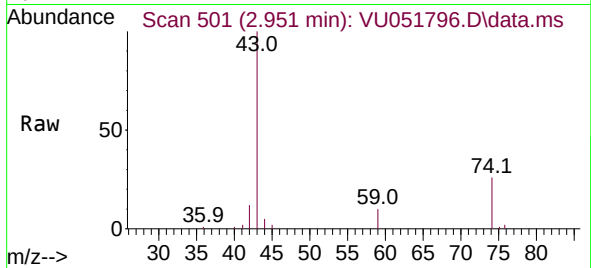




#15
Methyl Acetate
Concen: 3.984 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

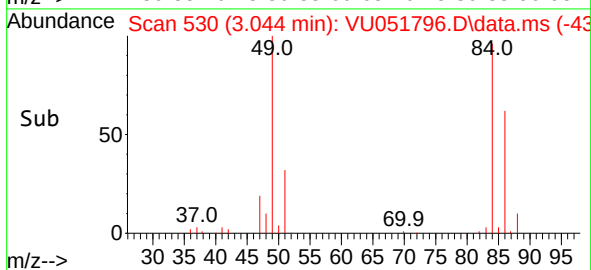
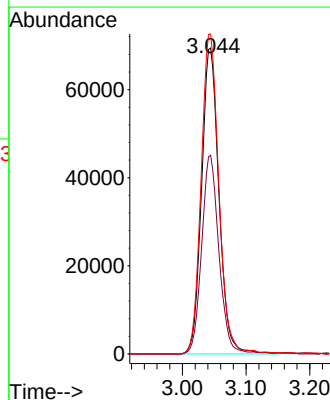
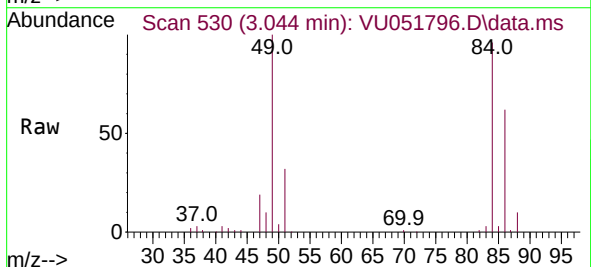
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

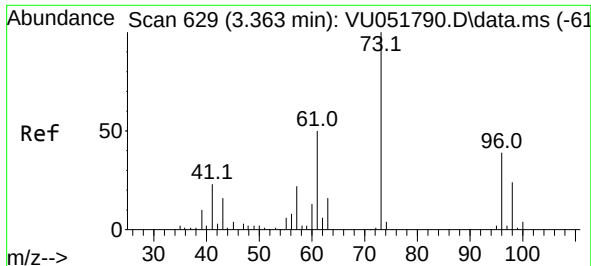
Tgt Ion: 43 Resp: 31873
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.4



#16
Methylene chloride
Concen: 4.192 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 84 Resp: 131806
Ion Ratio Lower Upper
84 100
86 64.9 46.3 85.9
49 104.6 76.0 141.2

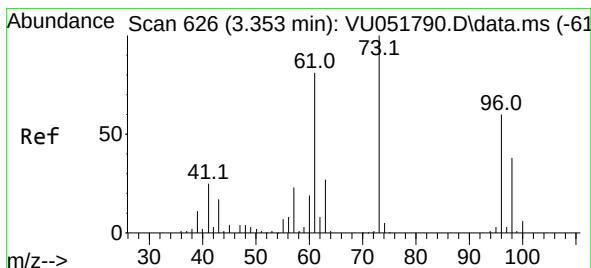
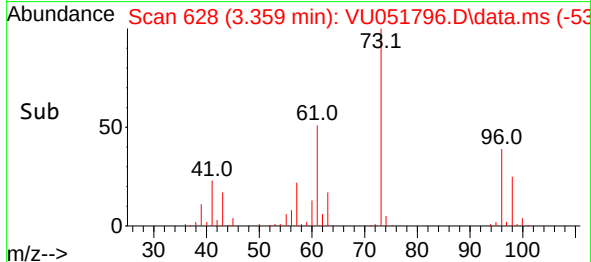
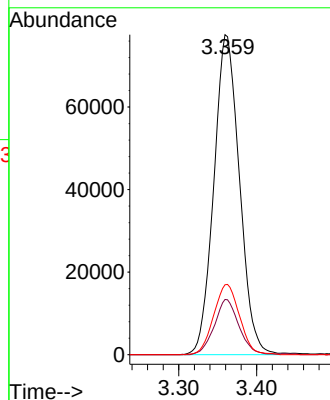
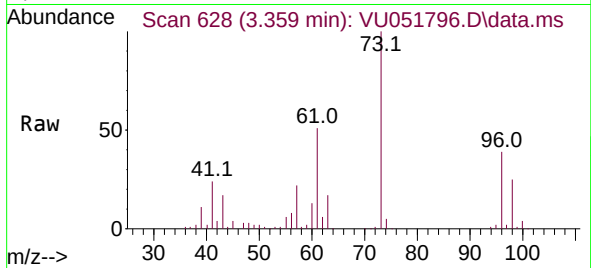




#17
Methyl tert-butyl Ether
Concen: 4.024 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

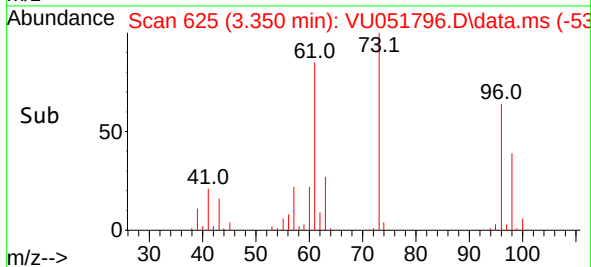
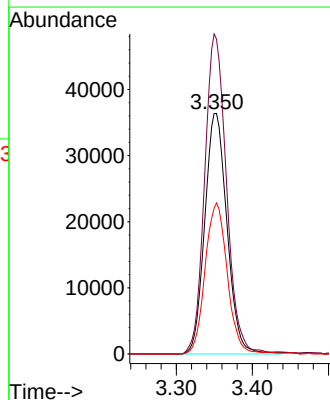
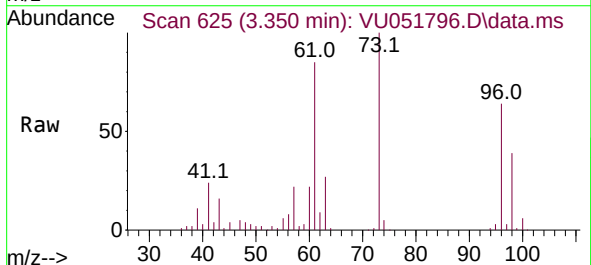
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

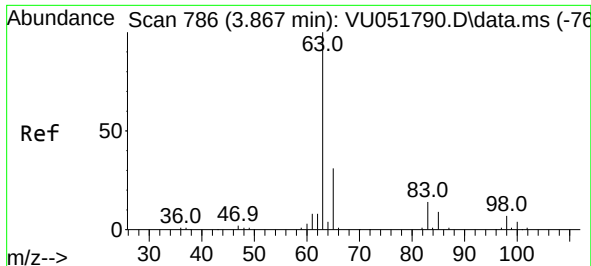
Tgt Ion: 73 Resp: 177129
Ion Ratio Lower Upper
73 100
43 16.6 13.6 20.4
57 22.2 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 3.583 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 96 Resp: 73820
Ion Ratio Lower Upper
96 100
61 133.0 94.7 175.9
98 60.7 44.2 82.0





#19

1,1-Dichloroethane

Concen: 3.990 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

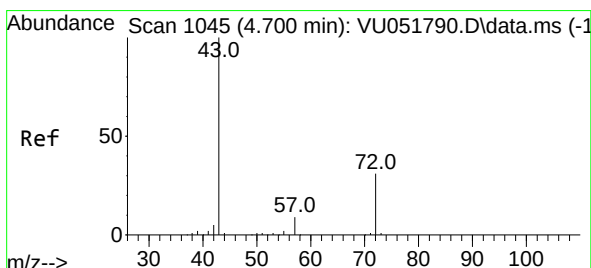
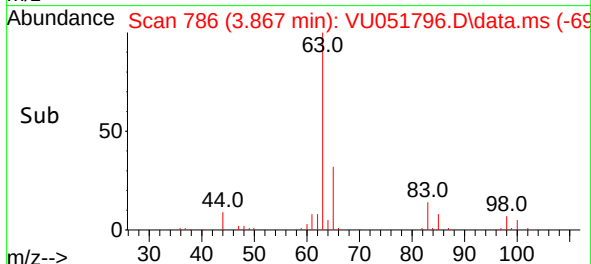
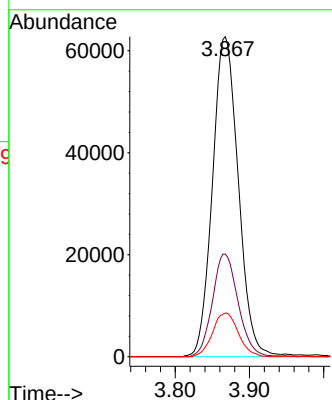
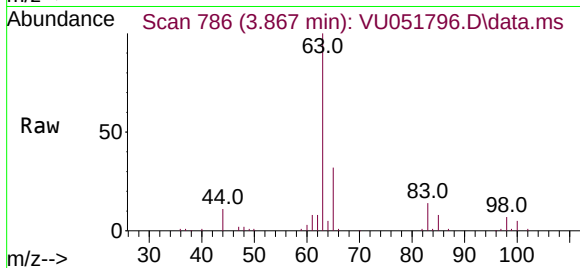
Tgt Ion: 63 Resp: 151623

Ion Ratio Lower Upper

63 100

65 32.0 22.7 42.1

83 13.7 9.2 17.0



#21

2-Butanone

Concen: 44.940 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU051796.D

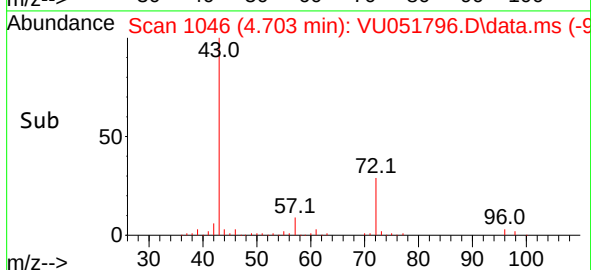
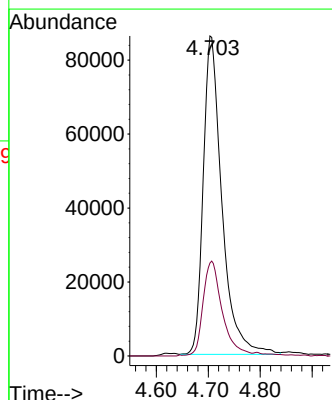
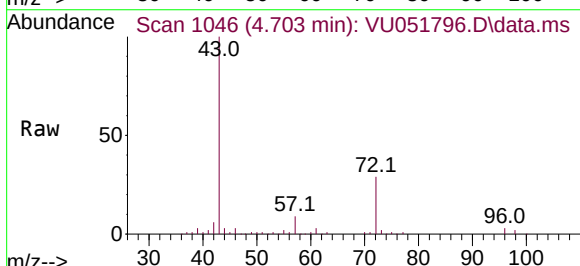
Acq: 09 Nov 2022 15:05

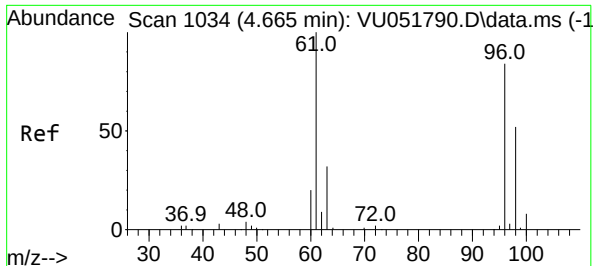
Tgt Ion: 43 Resp: 215082

Ion Ratio Lower Upper

43 100

72 29.7 16.2 48.5





#22

cis-1,2-Dichloroethene

Concen: 3.844 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

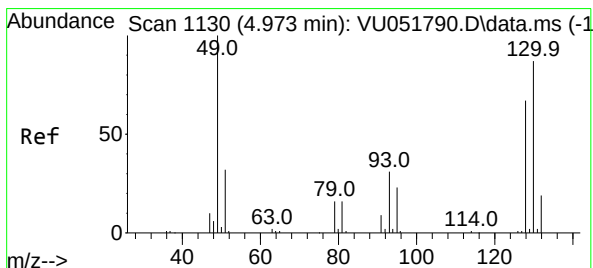
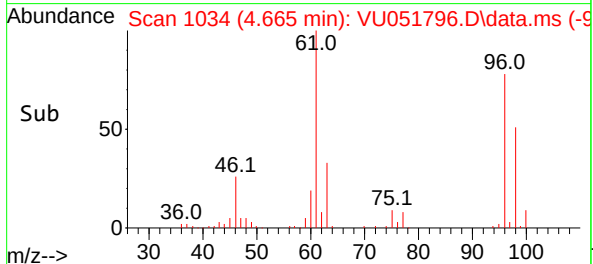
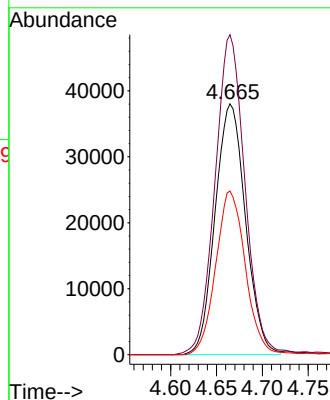
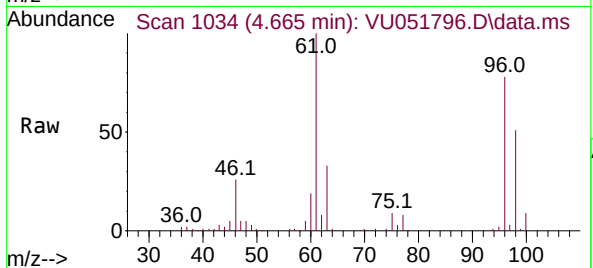
Tgt Ion: 96 Resp: 87639

Ion Ratio Lower Upper

96 100

61 127.5 86.4 160.4

98 65.3 44.2 82.2



#23

Bromochloromethane

Concen: 4.021 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Tgt Ion: 128 Resp: 42858

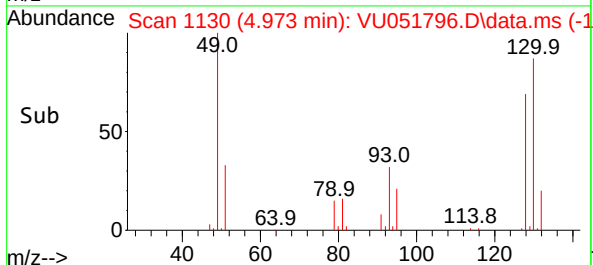
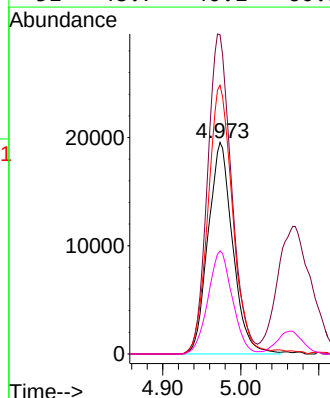
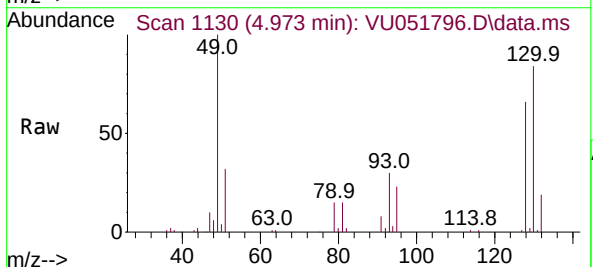
Ion Ratio Lower Upper

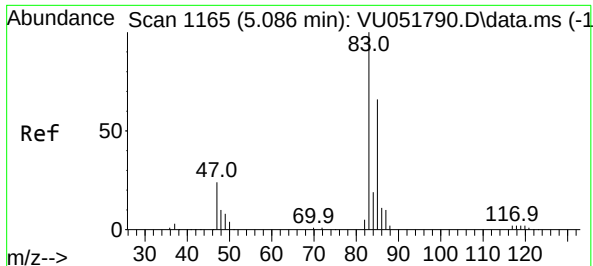
128 100

49 150.9 105.5 195.9

130 127.0 93.5 173.7

51 48.7 40.1 60.1





#25

Chloroform

Concen: 4.264 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

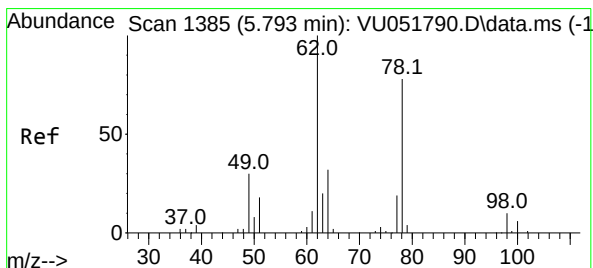
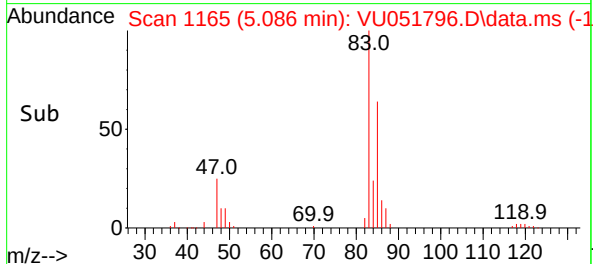
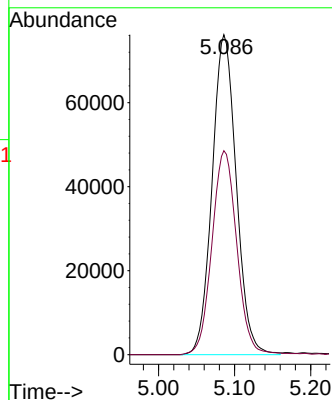
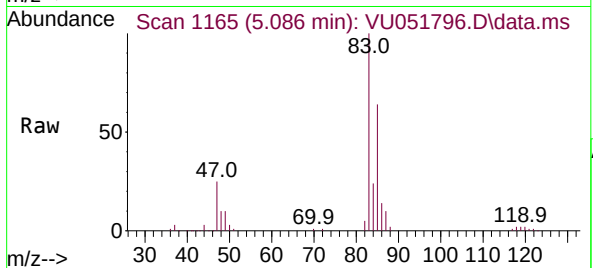
VSTD005195

Tgt Ion: 83 Resp: 168109

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0



#27

1,2-Dichloroethane

Concen: 4.027 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051796.D

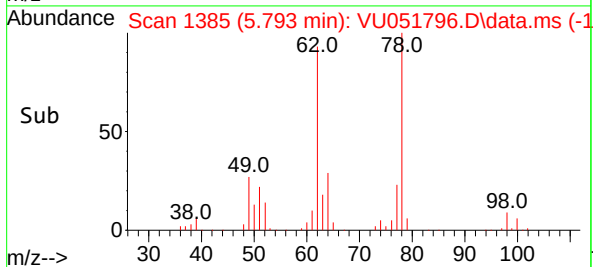
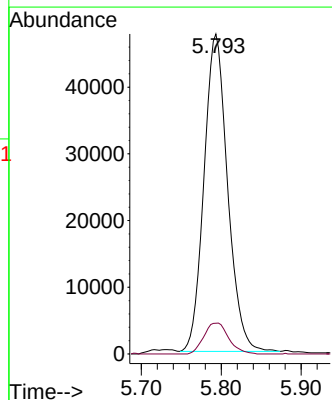
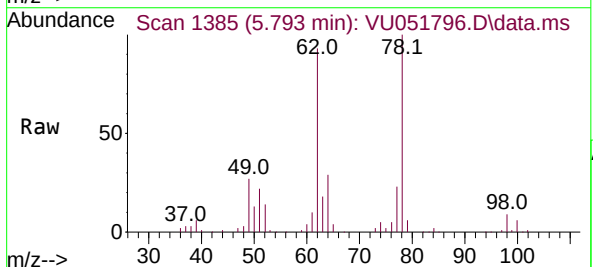
Acq: 09 Nov 2022 15:05

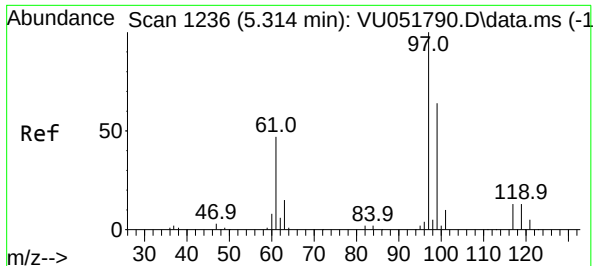
Tgt Ion: 62 Resp: 97701

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 3.975 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

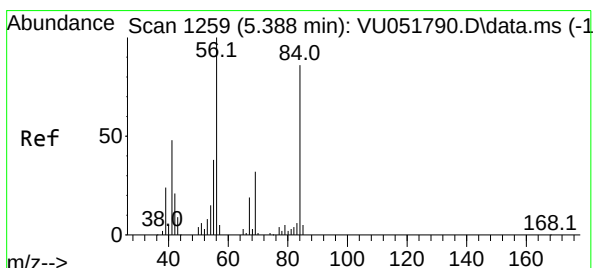
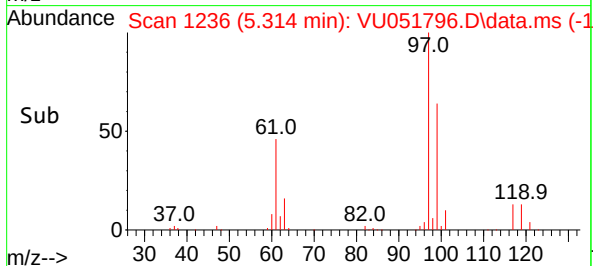
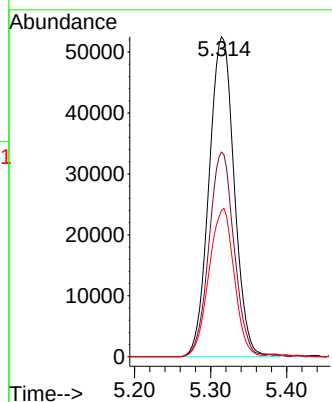
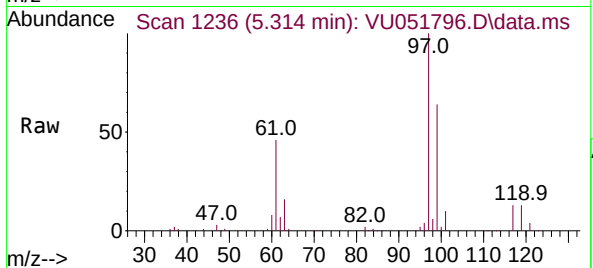
Tgt Ion: 97 Resp: 120651

Ion Ratio Lower Upper

97 100

99 63.7 51.1 76.7

61 46.6 37.4 56.0



#30

Cyclohexane

Concen: 3.062 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

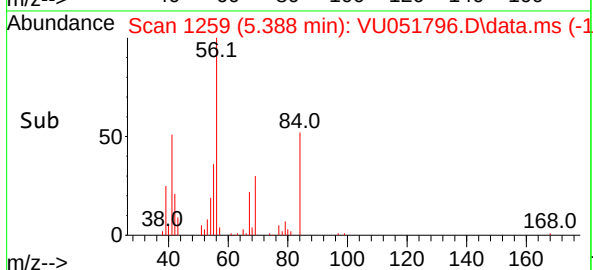
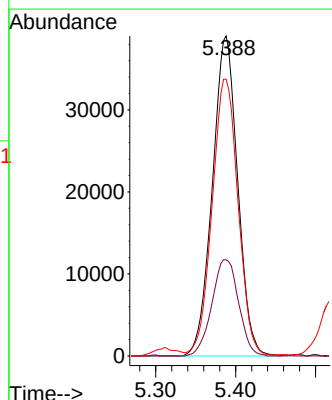
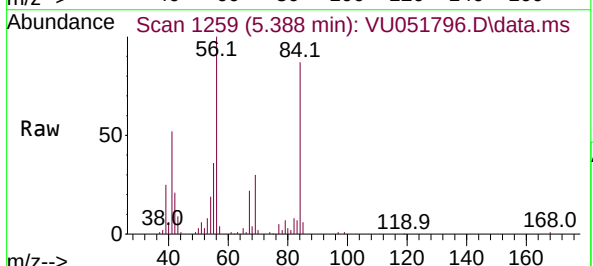
Tgt Ion: 56 Resp: 85574

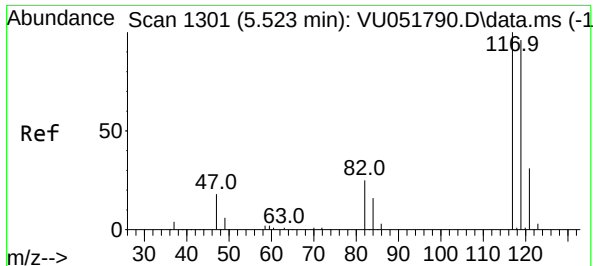
Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.0

84 88.2 71.4 107.0

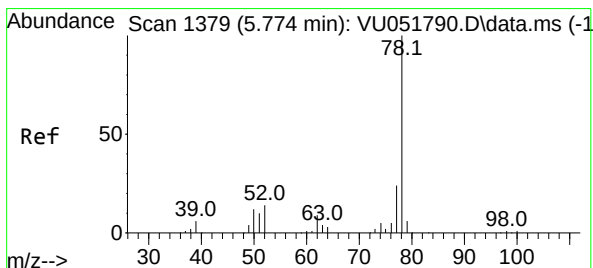
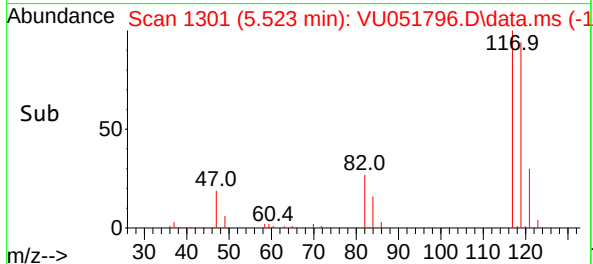
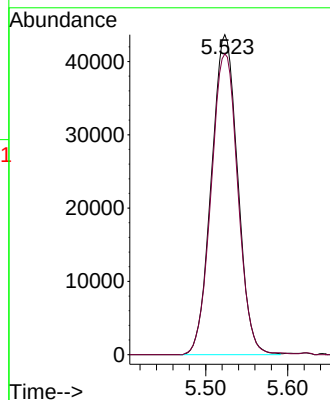
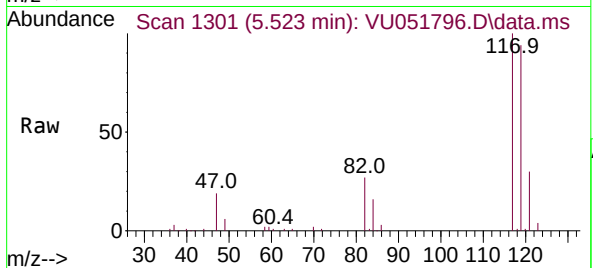




#31
Carbon tetrachloride
Concen: 3.747 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

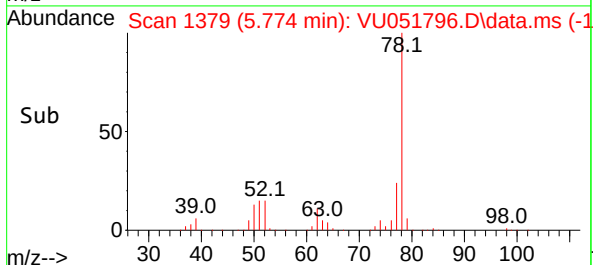
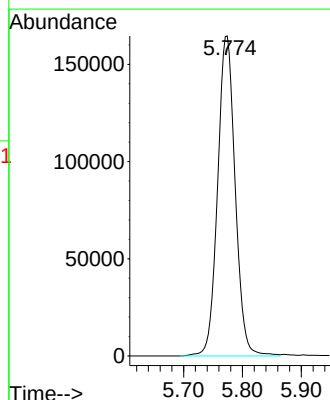
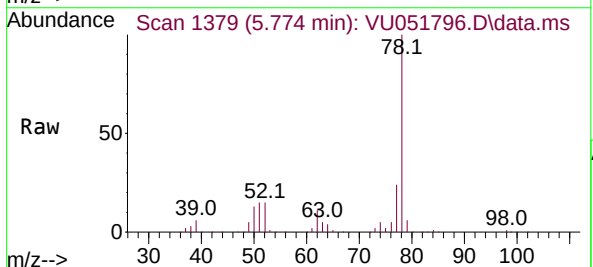
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

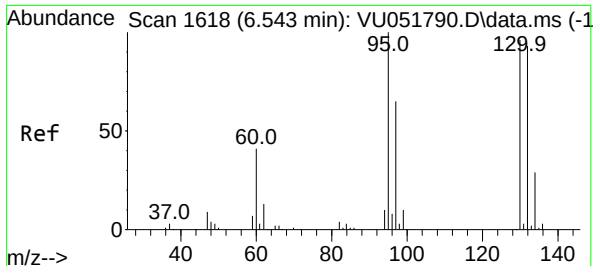
Tgt Ion:117 Resp: 97269
Ion Ratio Lower Upper
117 100
119 95.7 77.5 116.3



#33
Benzene
Concen: 3.877 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 78 Resp: 341986

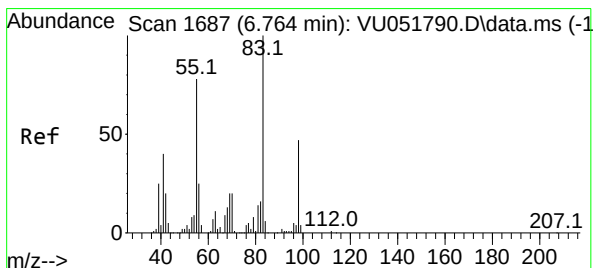
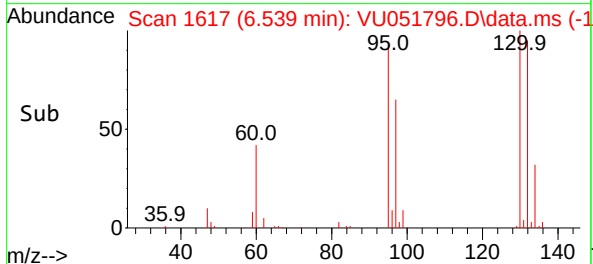
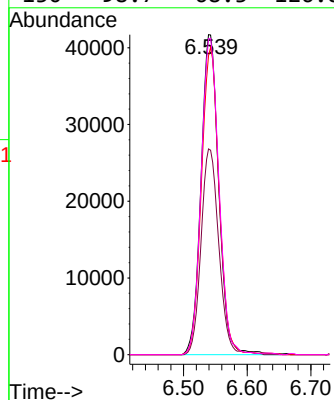
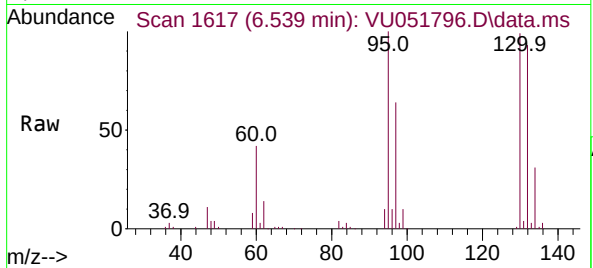




#34
Trichloroethene
Concen: 3.791 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

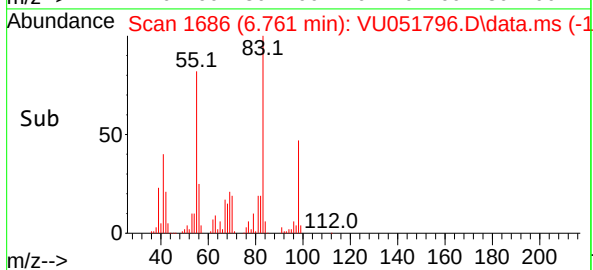
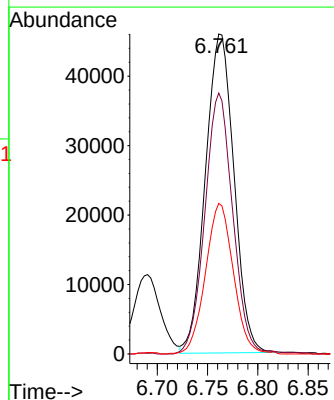
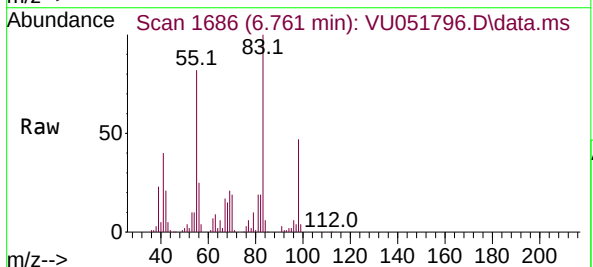
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

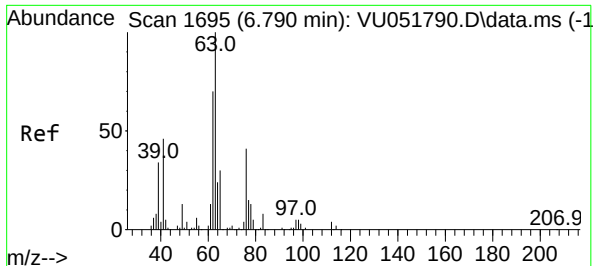
Tgt Ion: 95 Resp: 80706
Ion Ratio Lower Upper
95 100
97 64.3 45.2 84.0
132 93.4 66.5 123.5
130 98.7 68.3 126.8



#35
Methylcyclohexane
Concen: 3.084 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 83 Resp: 90789
Ion Ratio Lower Upper
83 100
55 79.9 60.6 90.8
98 46.1 35.8 53.6





#37

1,2-Dichloropropane

Concen: 4.198 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

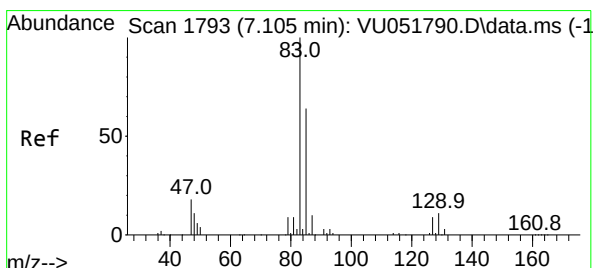
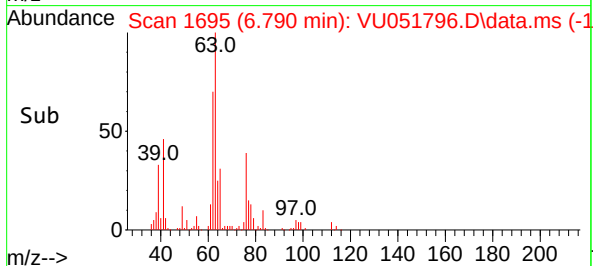
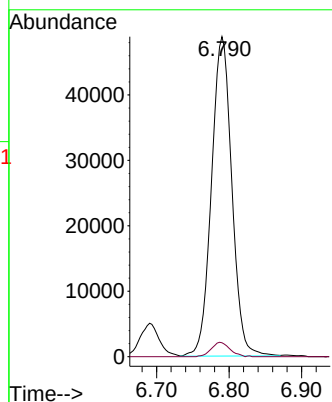
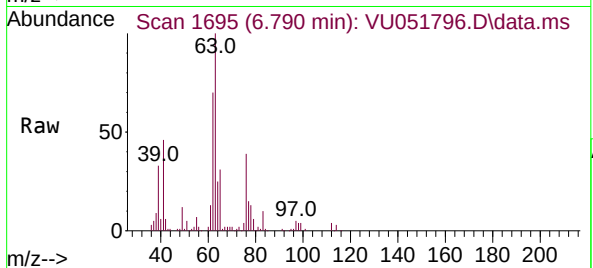
VSTD005195

Tgt Ion: 63 Resp: 95239

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 4.257 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

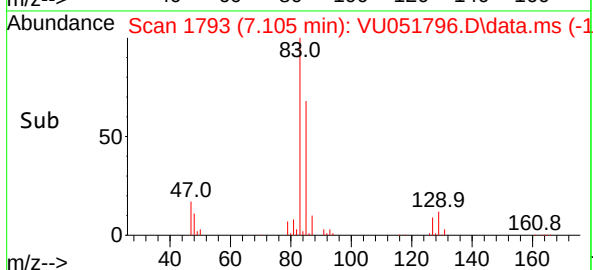
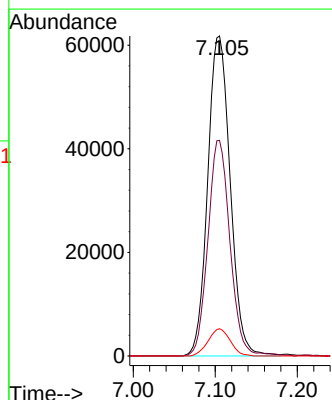
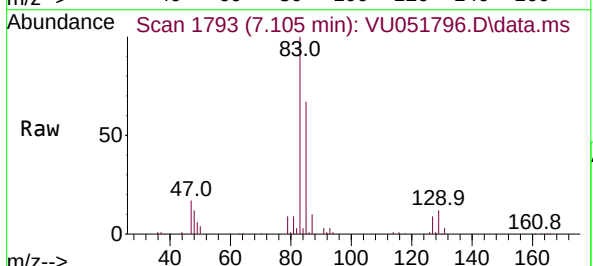
Tgt Ion: 83 Resp: 117969

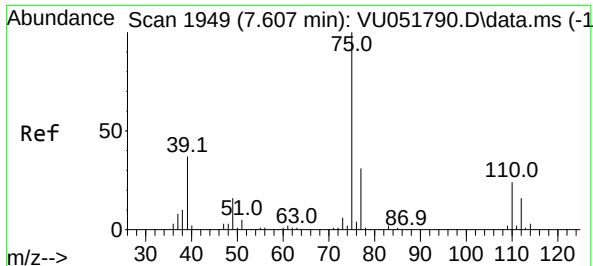
Ion Ratio Lower Upper

83 100

85 67.3 45.1 83.7

127 8.5 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.015 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

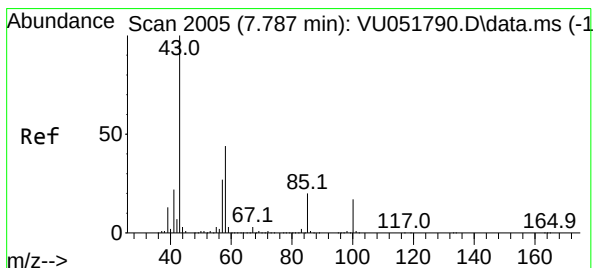
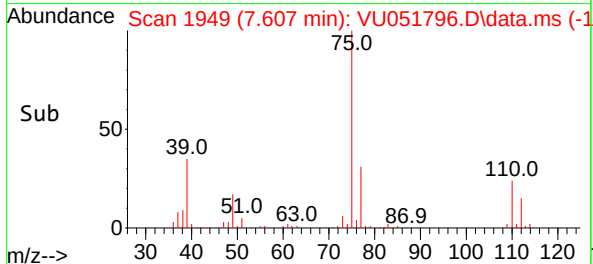
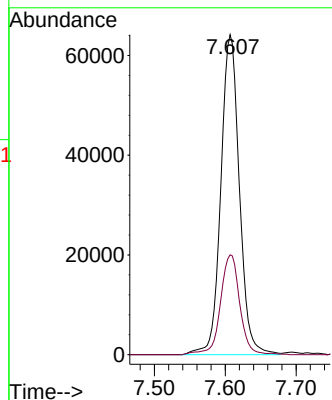
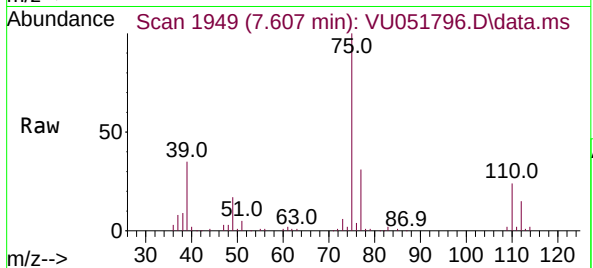
VSTD005195

Tgt Ion: 75 Resp: 116876

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 44.685 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

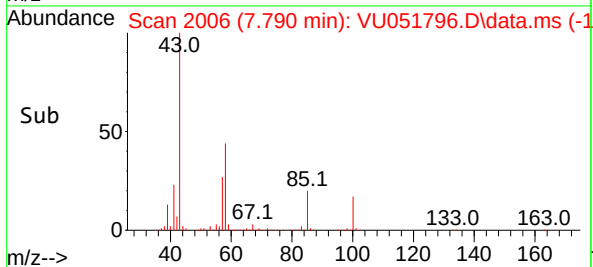
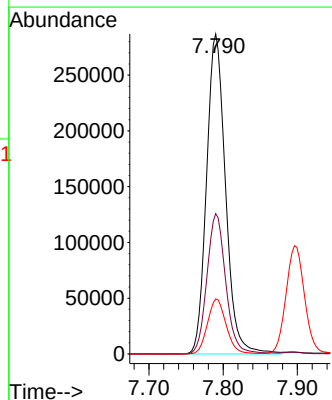
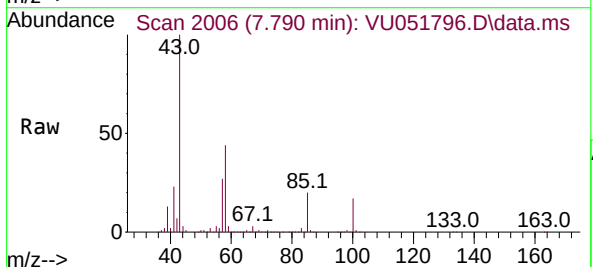
Tgt Ion: 43 Resp: 508519

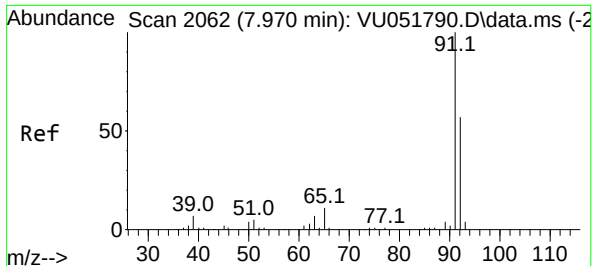
Ion Ratio Lower Upper

43 100

58 43.6 35.0 52.6

100 17.0 13.4 20.0





#42

Toluene

Concen: 4.071 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

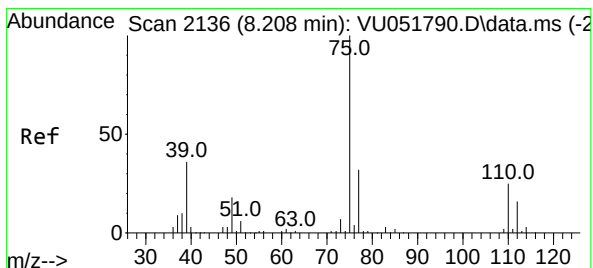
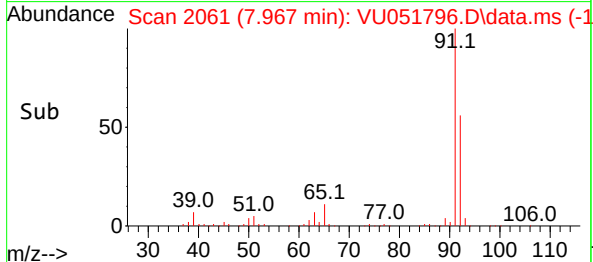
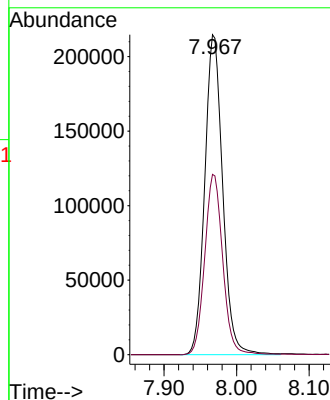
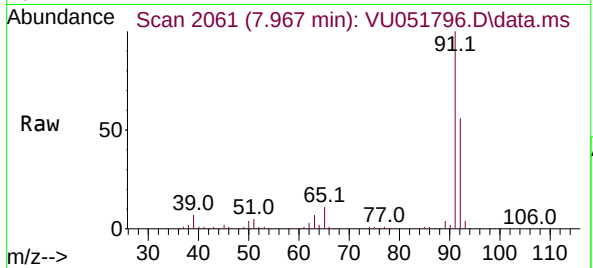
VSTD005195

Tgt Ion: 91 Resp: 368846

Ion Ratio Lower Upper

91 100

92 56.3 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.234 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051796.D

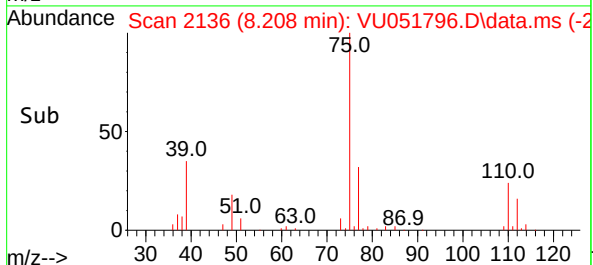
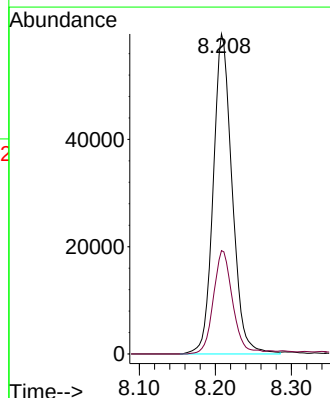
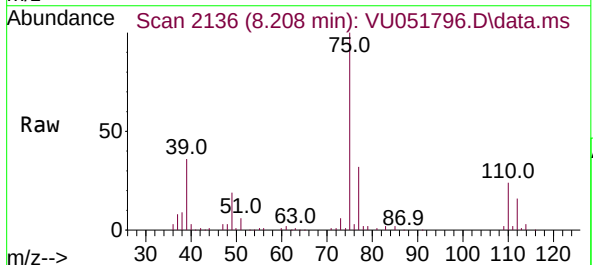
Acq: 09 Nov 2022 15:05

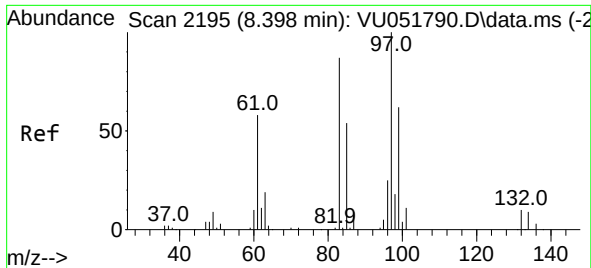
Tgt Ion: 75 Resp: 102987

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6

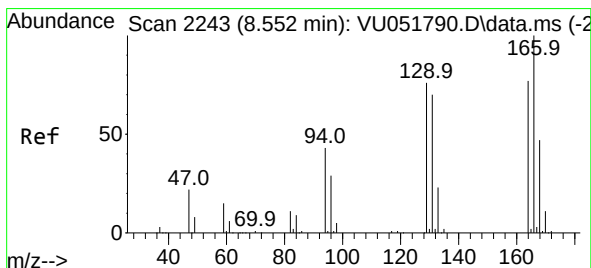
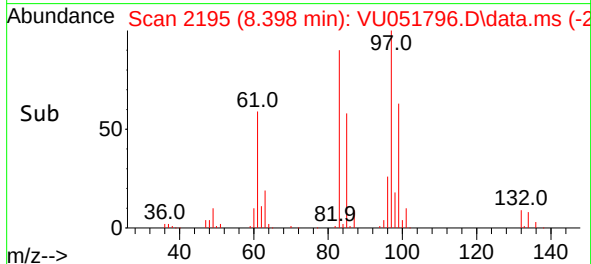
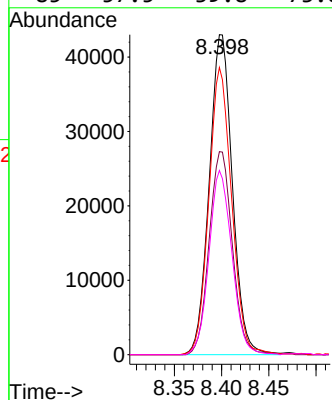
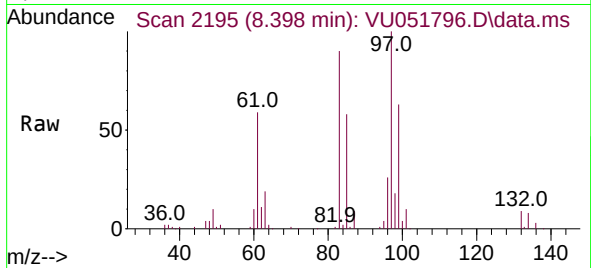




#45
1,1,2-Trichloroethane
Concen: 4.408 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

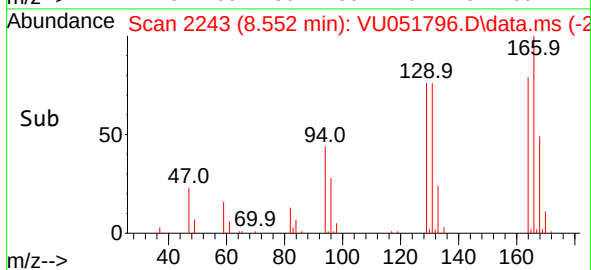
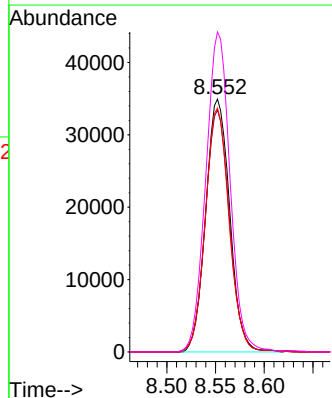
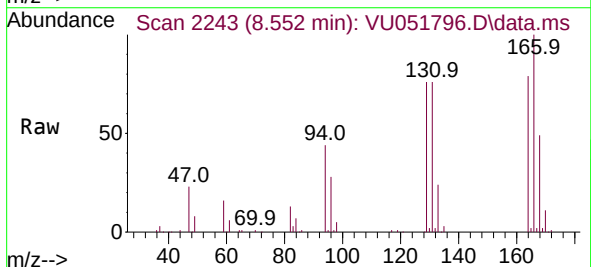
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

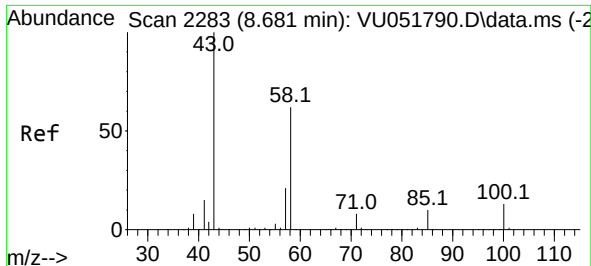
Tgt Ion:	97	Resp:	73291
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.4	80.6
83	89.8	61.3	113.9
85	57.5	39.8	73.8



#47
Tetrachloroethene
Concen: 3.677 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion:	164	Resp:	59949
Ion	Ratio	Lower	Upper
164	100		
129	95.7	64.0	118.8
131	96.4	60.7	112.7
166	126.5	86.8	161.2

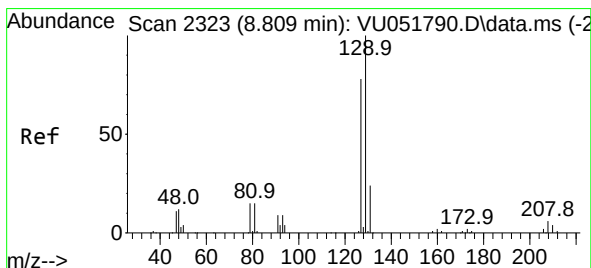
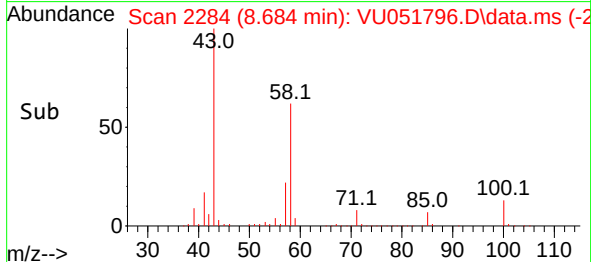
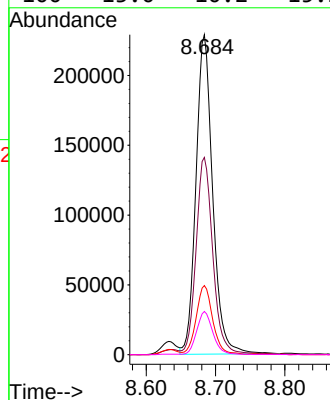
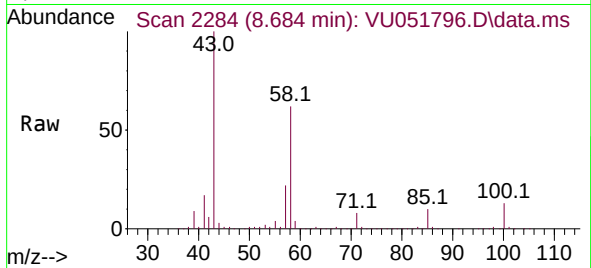




#48
2-Hexanone
Concen: 45.694 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

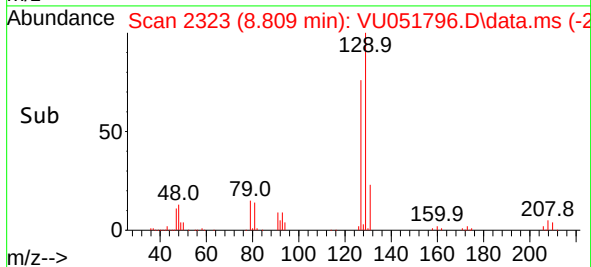
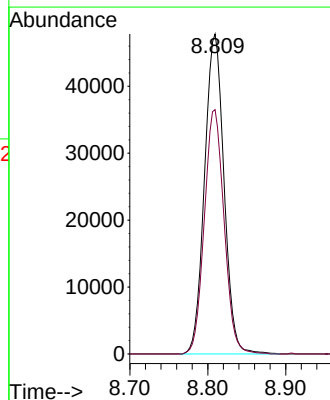
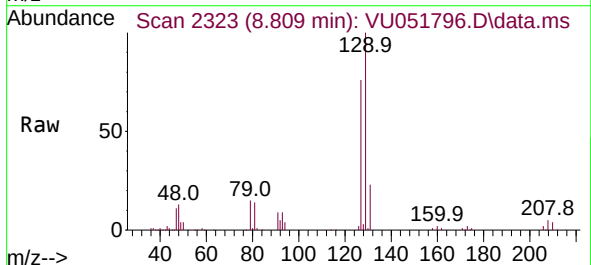
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

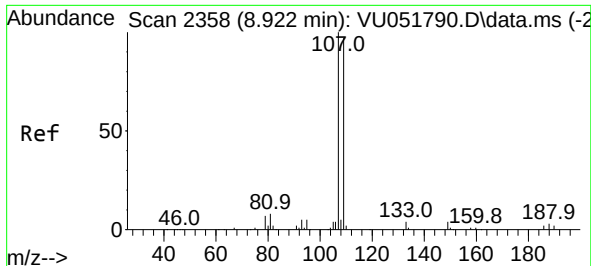
Tgt Ion:	43	Resp:	384903
Ion	Ratio	Lower	Upper
43	100		
58	62.3	48.2	72.2
57	21.2	16.6	25.0
100	13.0	10.2	15.2



#49
Dibromochloromethane
Concen: 4.367 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion:	129	Resp:	82950
Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.8	101.8





#50

1,2-Dibromoethane

Concen: 4.294 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

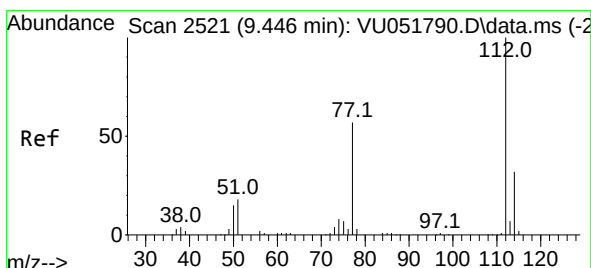
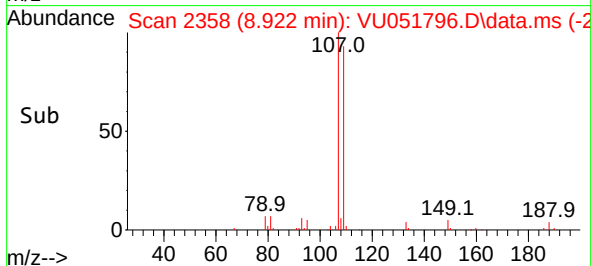
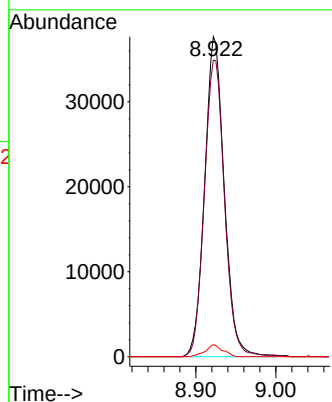
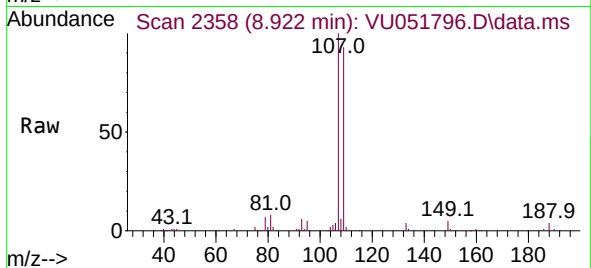
Tgt Ion:107 Resp: 64415

Ion Ratio Lower Upper

107 100

109 92.6 63.0 117.0

188 3.8 3.0 4.4



#51

Chlorobenzene

Concen: 4.110 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

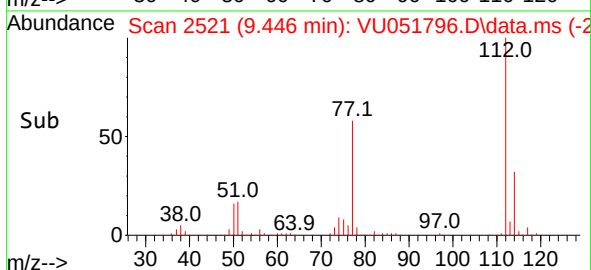
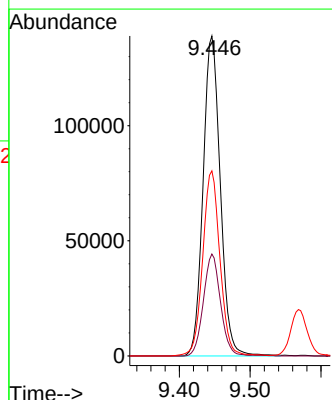
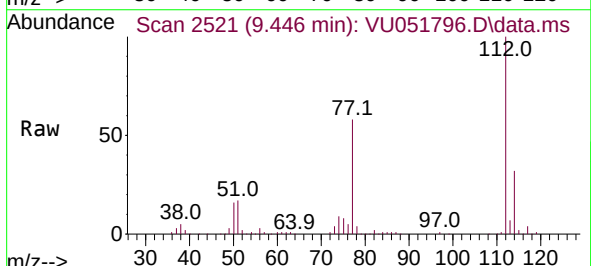
Tgt Ion:112 Resp: 234336

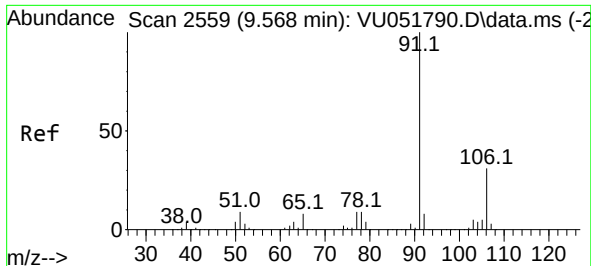
Ion Ratio Lower Upper

112 100

114 31.9 22.0 40.8

77 57.9 46.7 70.1

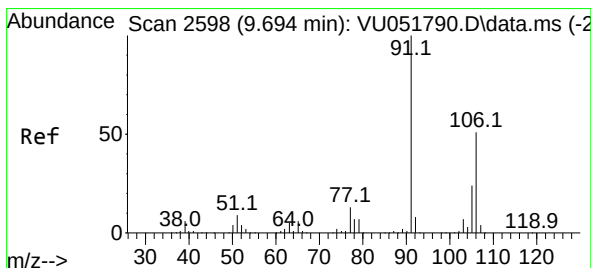
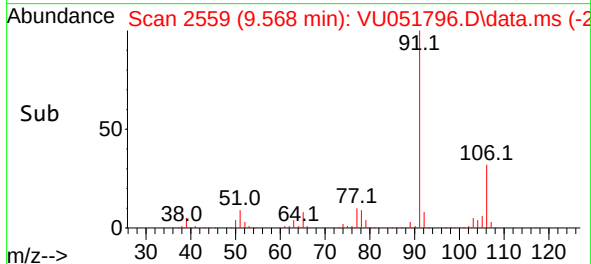
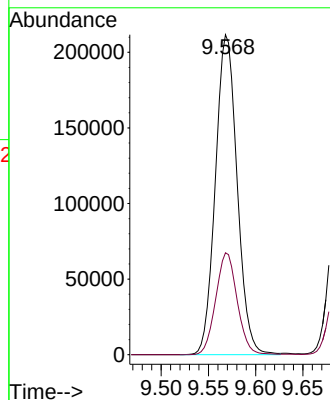
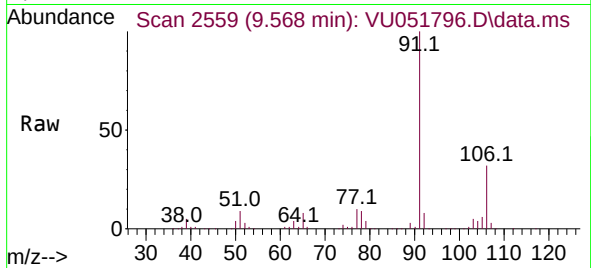




#52
Ethylbenzene
Concen: 3.870 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

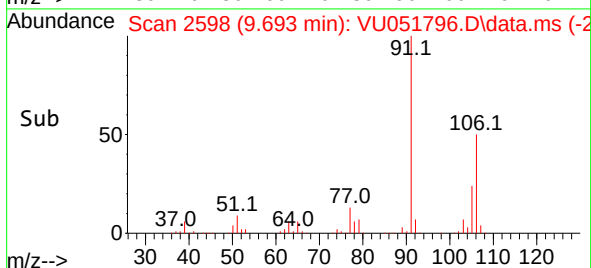
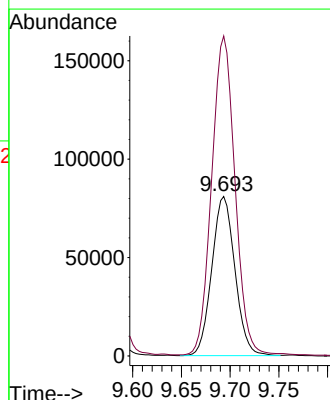
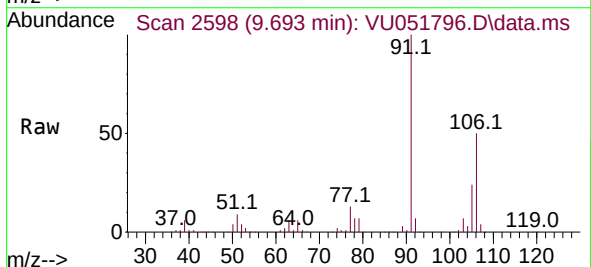
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

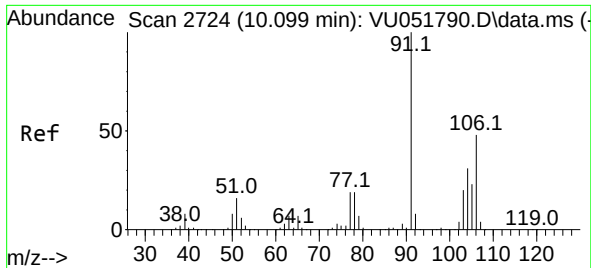
Tgt Ion: 91 Resp: 338249
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6



#53
m,p-Xylene
Concen: 3.937 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 106 Resp: 133673
Ion Ratio Lower Upper
106 100
91 200.5 139.4 259.0

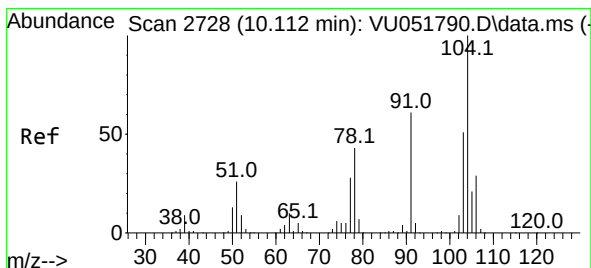
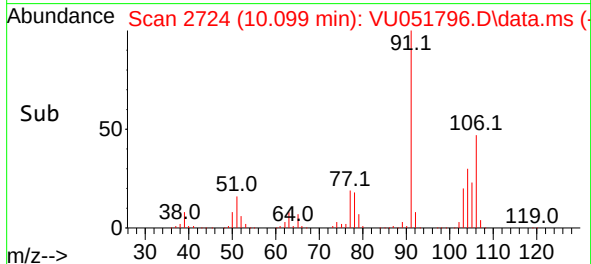
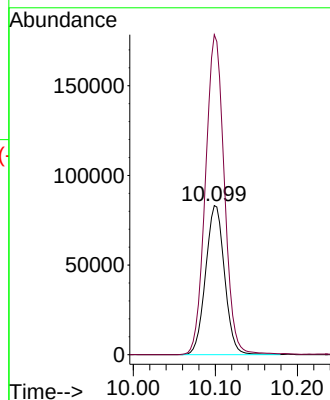
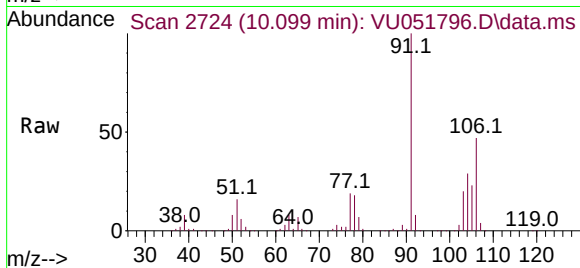




#54
o-Xylene
Concen: 4.024 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

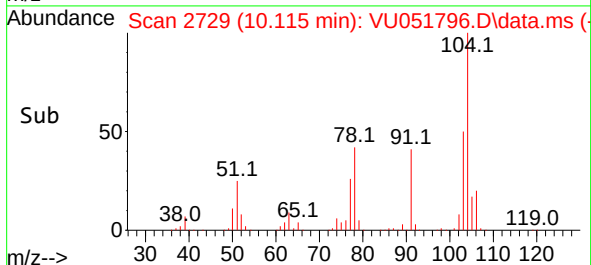
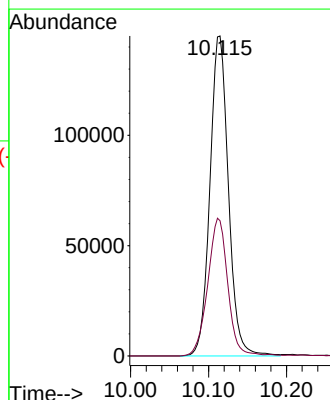
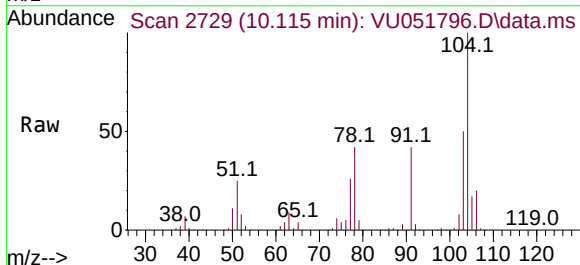
Instrument :
MSVOA_U
ClientSampleId :
VSTD005195

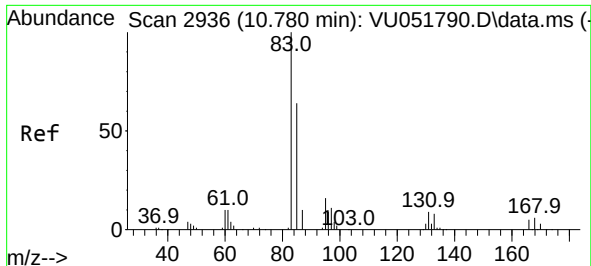
Tgt Ion:106 Resp: 133523
Ion Ratio Lower Upper
106 100
91 214.6 149.2 277.2



#55
Styrene
Concen: 4.315 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051796.D
Acq: 09 Nov 2022 15:05

Tgt Ion:104 Resp: 239359
Ion Ratio Lower Upper
104 100
78 42.3 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.542 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

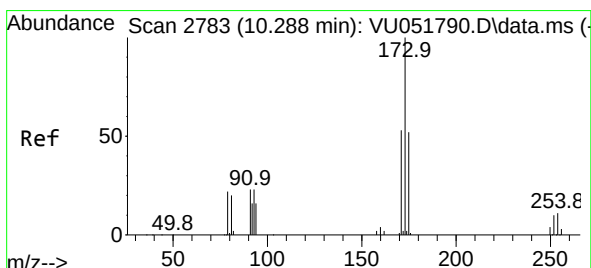
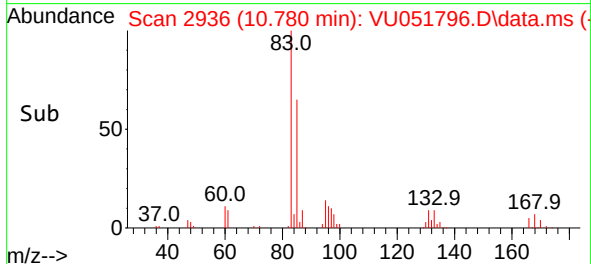
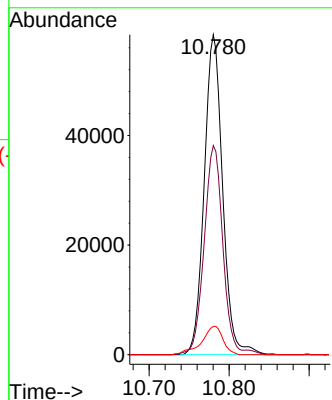
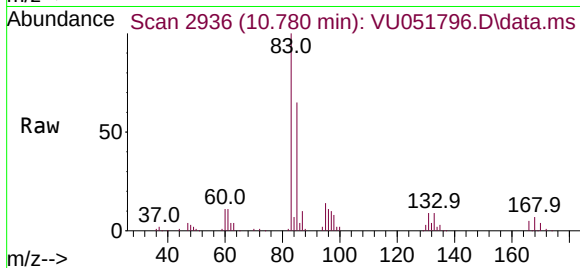
Tgt Ion: 83 Resp: 93631

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.5

131 8.8 7.8 11.8



#59

Bromoform

Concen: 4.379 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

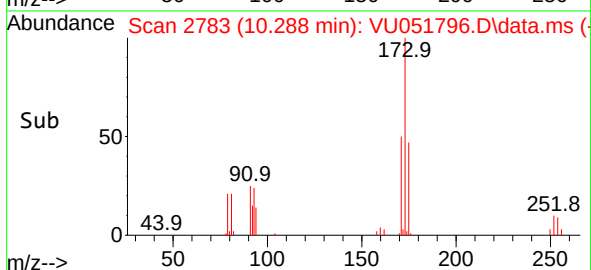
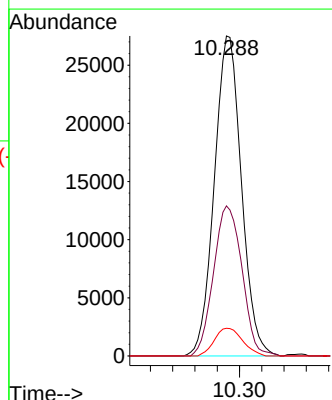
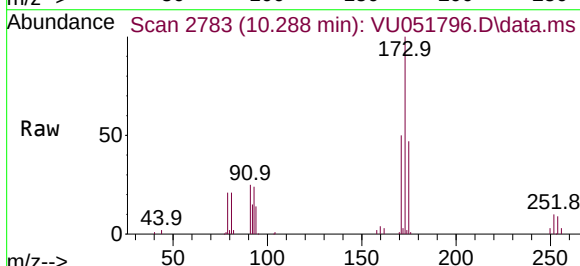
Tgt Ion: 173 Resp: 46511

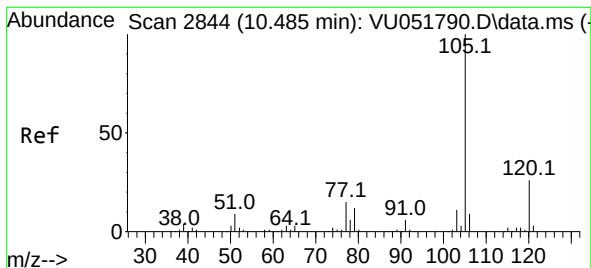
Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 9.0 7.3 10.9





#60

Isopropylbenzene

Concen: 3.997 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

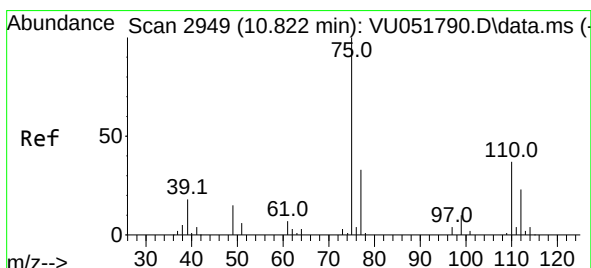
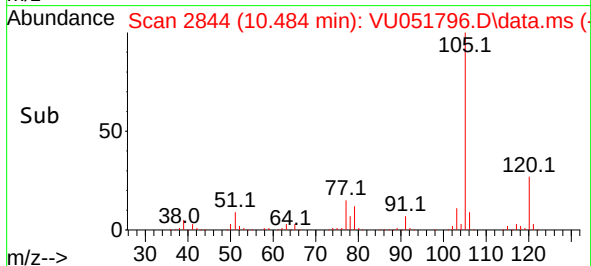
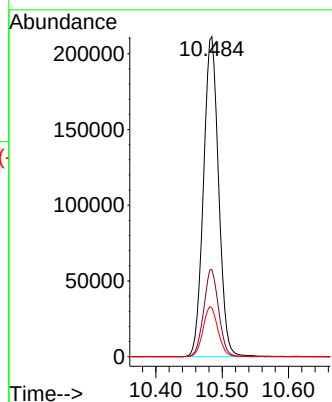
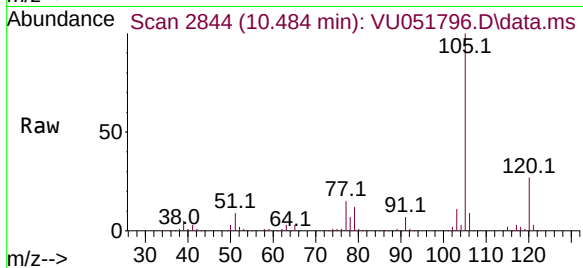
Tgt Ion:105 Resp: 335447

Ion Ratio Lower Upper

105 100

120 26.9 20.9 31.3

77 15.5 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 4.276 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

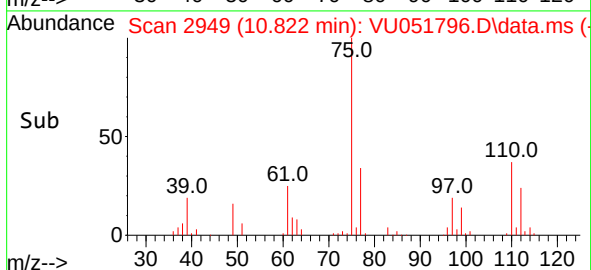
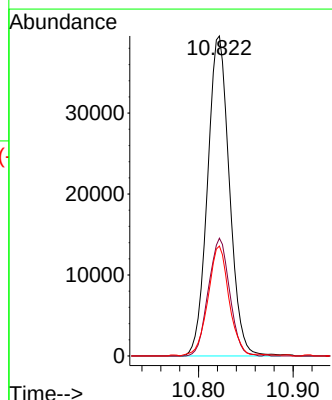
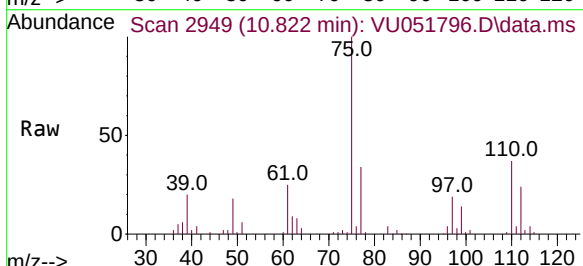
Tgt Ion: 75 Resp: 63564

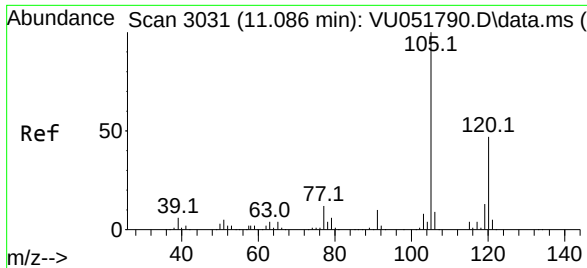
Ion Ratio Lower Upper

75 100

110 35.8 28.7 43.1

77 33.0 26.1 39.1

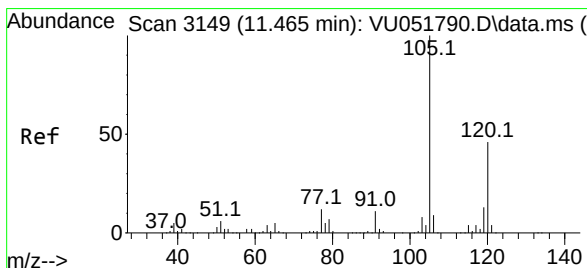
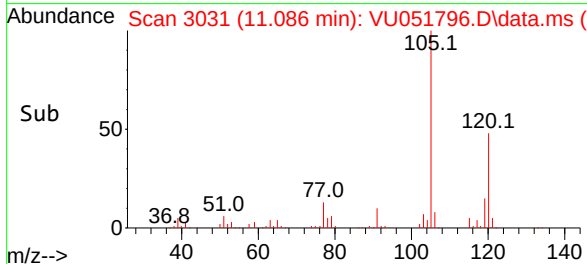
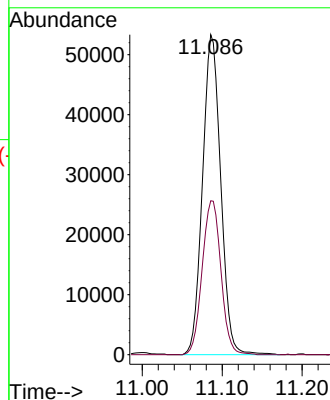
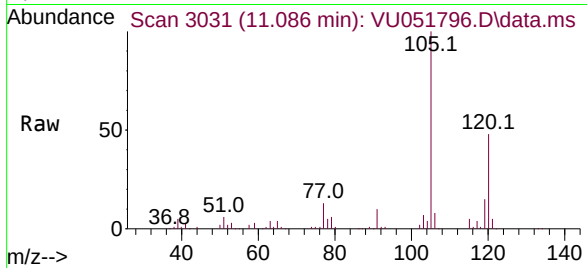




#62
 1,3,5-Trimethylbenzene
 Concen: 3.741 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

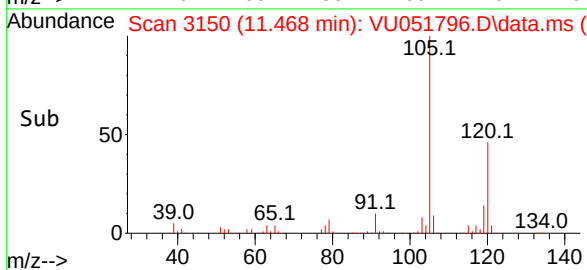
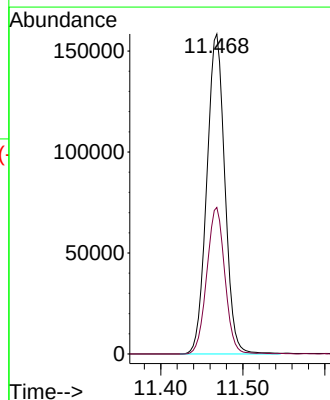
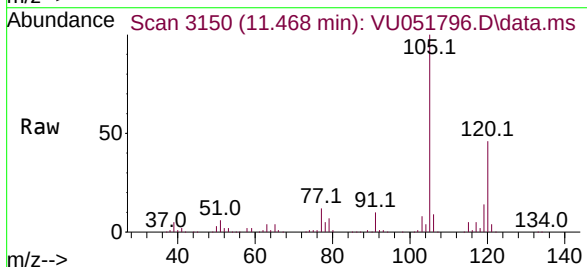
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

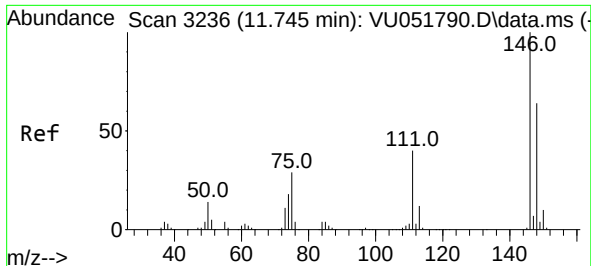
Tgt Ion:105 Resp: 84522
 Ion Ratio Lower Upper
 105 100
 120 49.5 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 3.730 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

Tgt Ion:105 Resp: 242959
 Ion Ratio Lower Upper
 105 100
 120 45.6 35.8 53.6

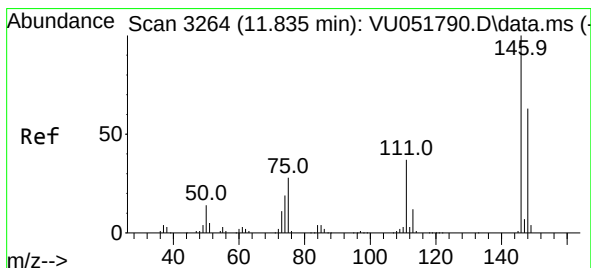
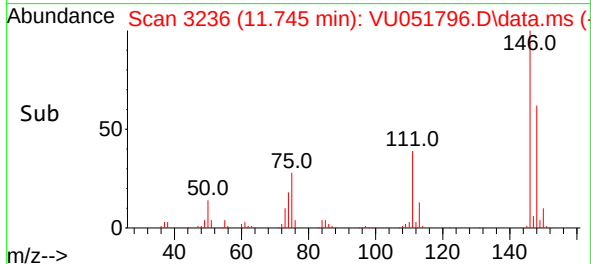
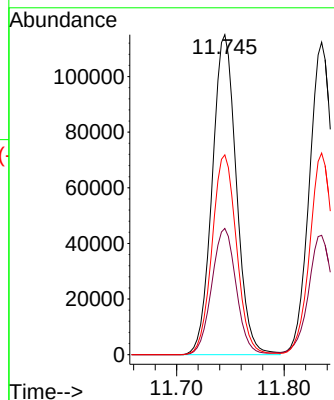
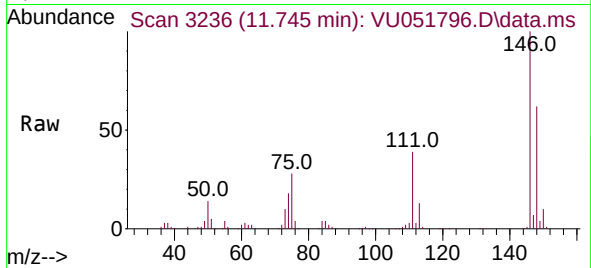




#64
 1,3-Dichlorobenzene
 Concen: 4.298 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

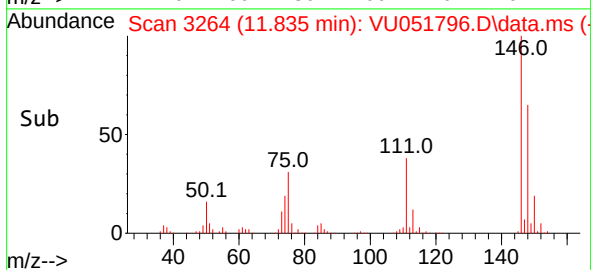
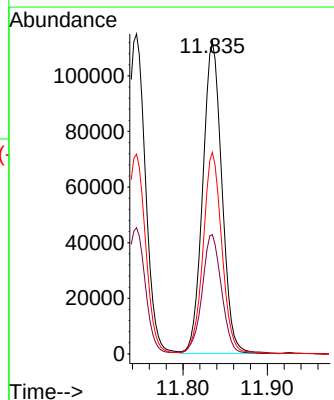
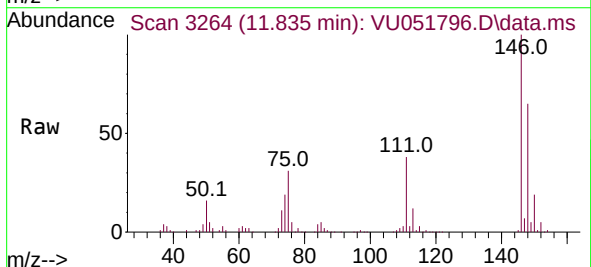
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005195

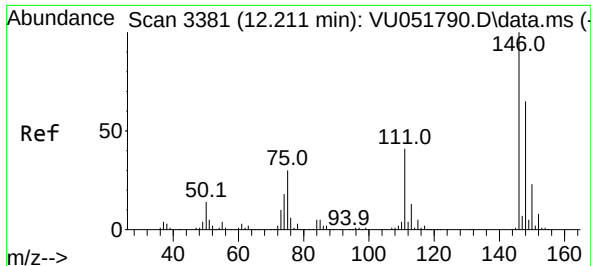
Tgt Ion:146 Resp: 179546
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.6 53.2
 148 62.4 44.7 82.9



#65
 1,4-Dichlorobenzene
 Concen: 4.240 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU051796.D
 Acq: 09 Nov 2022 15:05

Tgt Ion:146 Resp: 177589
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.5
 148 64.5 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 4.291 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

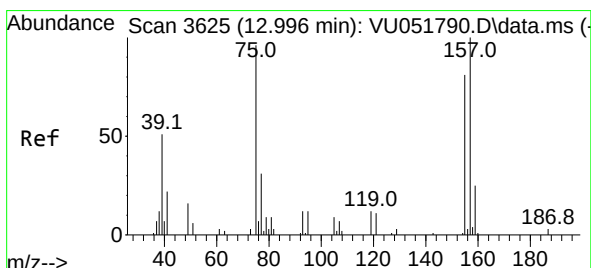
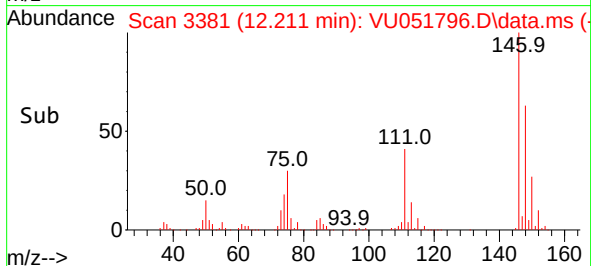
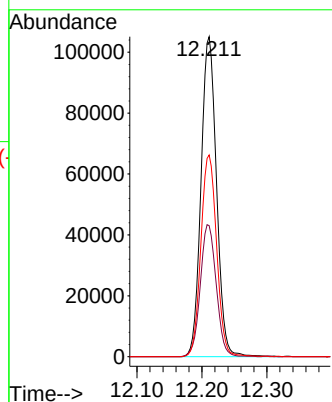
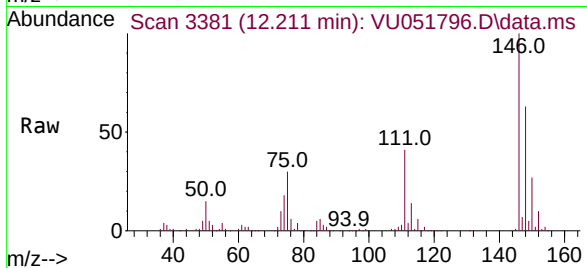
Tgt Ion:146 Resp: 174600

Ion Ratio Lower Upper

146 100

111 41.0 34.2 51.2

148 63.0 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.240 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

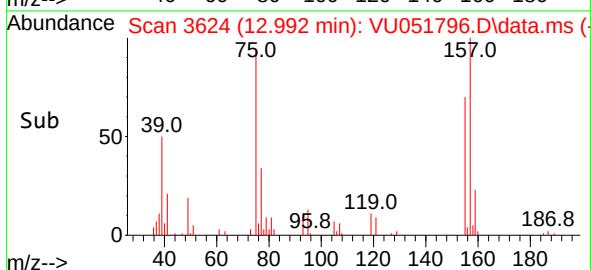
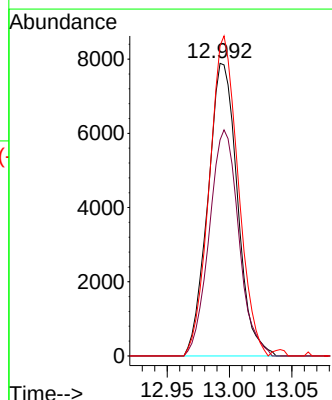
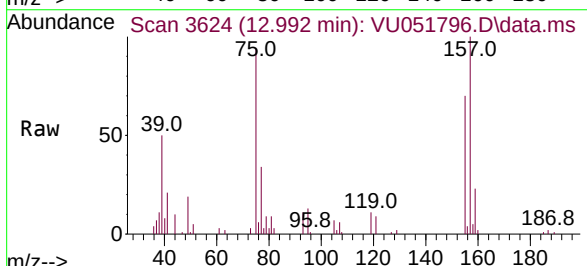
Tgt Ion: 75 Resp: 12979

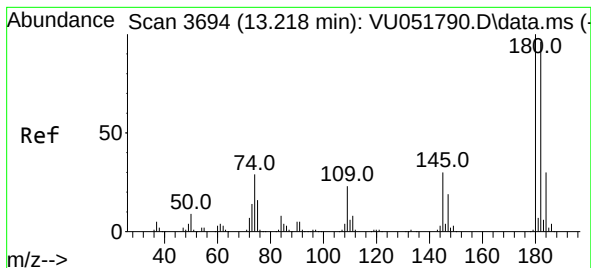
Ion Ratio Lower Upper

75 100

155 73.8 61.4 92.2

157 106.0 86.7 130.1





#69

1,3,5-Trichlorobenzene

Concen: 4.092 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

Tgt Ion:180 Resp: 121837

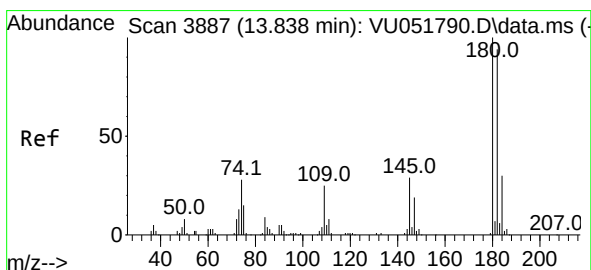
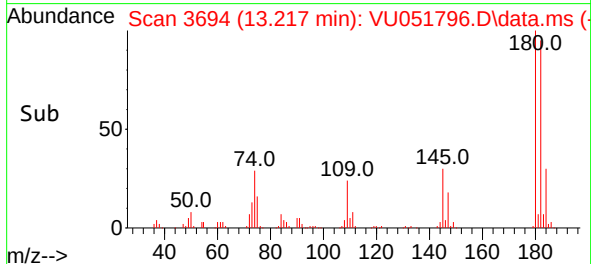
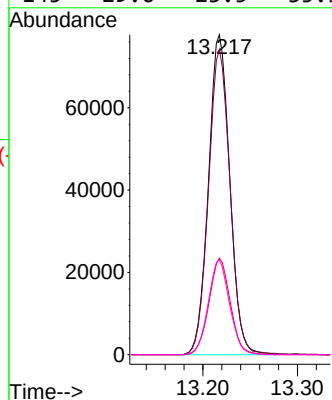
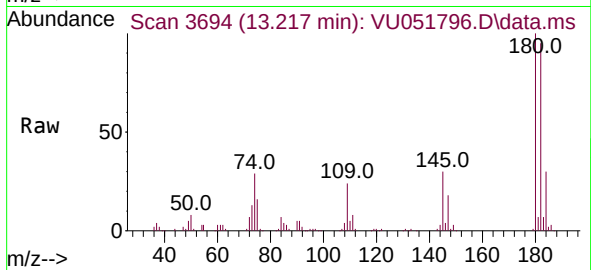
Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

184 30.1 23.7 35.5

145 29.6 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 3.978 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

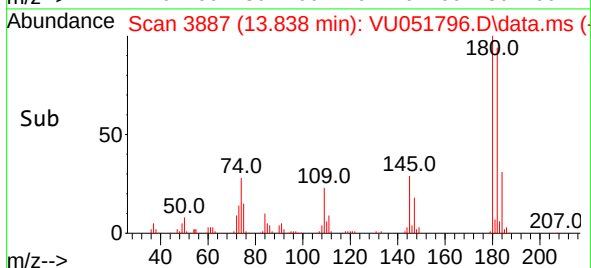
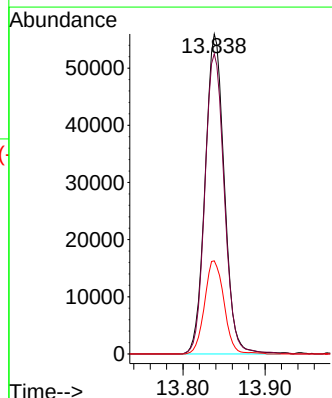
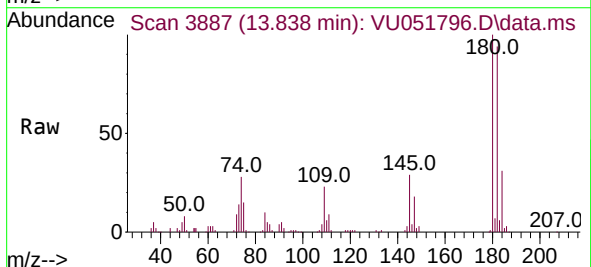
Tgt Ion:180 Resp: 90948

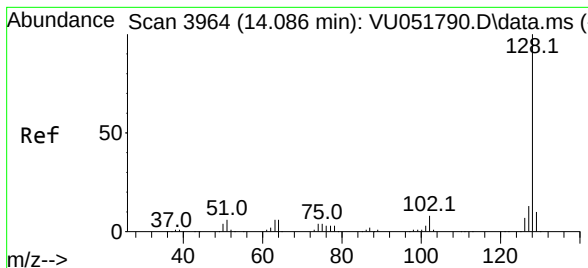
Ion Ratio Lower Upper

180 100

182 95.1 77.8 116.6

145 29.5 25.0 37.6





#71

Naphthalene

Concen: 3.467 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005195

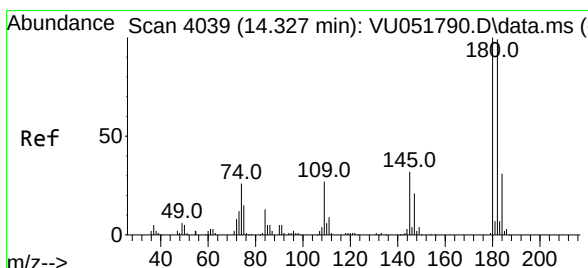
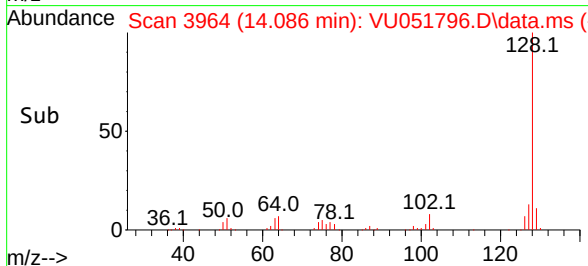
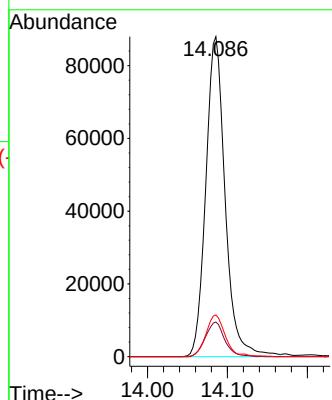
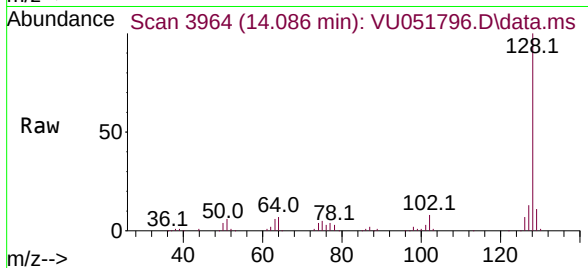
Tgt Ion:128 Resp: 147933

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

127 13.2 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 3.786 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU051796.D

Acq: 09 Nov 2022 15:05

Tgt Ion:180 Resp: 87386

Ion Ratio Lower Upper

180 100

182 99.1 76.1 114.1

145 32.1 25.6 38.4

