

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083022\
 Data File : VU050518.D
 Acq On : 30 Aug 2022 15:38
 Operator : SY/MD
 Sample : VSTD10016
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100016

Quant Time: Aug 31 01:26:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:24:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	377757	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	364732	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	181165	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	287314	69.405	ug/L	0.00
7) Chloroethane-d5	1.880	69	215486	70.205	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.555	63	487925	81.449	ug/L	0.00
21) 2-Butanone-d5	4.623	46	523786	183.719	ug/L	0.00
24) Chloroform-d	5.060	84	560416	81.658	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	352326	81.924	ug/L	0.00
32) Benzene-d6	5.726	84	1139564	88.322	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	380318	88.178	ug/L	0.00
41) Toluene-d8	7.896	98	1023572	90.919	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	161917	90.862	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	336739	213.530	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	632600	95.083	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	379585	90.245	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	236314	85.263	ug/L	100
3) Chloromethane	1.514	50	366587	104.627	ug/L	99
5) Vinyl chloride	1.600	62	354649	104.832	ug/L	99
6) Bromomethane	1.832	94	130683	98.543	ug/L	100
8) Chloroethane	1.906	64	209433	101.476	ug/L	99
9) Trichlorofluoromethane	2.118	101	411676	98.290	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	252149	98.941	ug/L	99
12) 1,1-Dichloroethene	2.568	96	256147	108.881	ug/L	97
13) Acetone	2.626	43	377048	191.688	ug/L	99
14) Carbon disulfide	2.780	76	639713	107.951	ug/L	100
15) Methyl Acetate	2.944	43	391280	109.142	ug/L	99
16) Methylene chloride	3.038	84	348165	103.925	ug/L	98
17) trans-1,2-Dichloroethene	3.343	96	278797	112.104	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	964663	120.078	ug/L	100
19) 1,1-Dichloroethane	3.861	63	554681	103.542	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	333441	111.755	ug/L	98
22) 2-Butanone	4.703	43	604773	223.782	ug/L	99
23) Bromochloromethane	4.970	128	174579	107.095	ug/L	99
25) Chloroform	5.086	83	573352	101.180	ug/L	98
27) 1,2-Dichloroethane	5.790	62	452046	105.350	ug/L	100
29) Cyclohexane	5.385	56	444601	131.089	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	440127	105.101	ug/L	99
31) Carbon tetrachloride	5.520	117	345450	102.307	ug/L	98
33) Benzene	5.771	78	1300157	114.684	ug/L	100
34) Trichloroethene	6.539	95	295132	111.016	ug/L	99
35) Methylcyclohexane	6.761	83	452299	124.469	ug/L	99
37) 1,2-Dichloropropane	6.790	63	357067	109.084	ug/L	100
38) Bromodichloromethane	7.105	83	412388	100.929	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	506886	117.936	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	1097609	247.870	ug/L	99
42) Toluene	7.970	91	1335731	117.552	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	467402	117.195	ug/L	100

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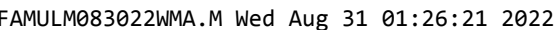
Instrument :
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 ClientSampleId :
 VSTD100016

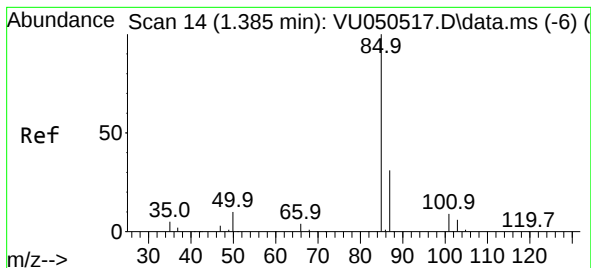
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	339553	105.603	ug/L	99
46) Tetrachloroethene	8.552	164	212015	109.734	ug/L	98
48) 2-Hexanone	8.687	43	931085	251.577	ug/L	97
49) Dibromochloromethane	8.809	129	318111	98.523	ug/L	98
50) 1,2-Dibromoethane	8.925	107	361290	111.452	ug/L	99
51) Chlorobenzene	9.446	112	796273	107.369	ug/L	99
52) Ethylbenzene	9.571	91	1341185	117.812	ug/L	100
53) m,p-Xylene	9.693	106	516578	121.489	ug/L	99
54) o-Xylene	10.102	106	529424	124.228	ug/L	100
55) Styrene	10.115	104	905948	125.974	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	667265	114.393	ug/L	100
59) Bromoform	10.291	173	236248	91.963	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	503107	104.670	ug/L	99
61) Isopropylbenzene	10.484	105	1274343	111.505	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	1101367	118.488	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	1080045	119.322	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	585632	105.447	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	585392	105.094	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	648994	110.503	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	132687	106.445	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	399270	105.240	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	349295	114.513	ug/L	99
71) Naphthalene	14.086	128	1393032	134.620	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	386945	115.000	ug/L	99

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

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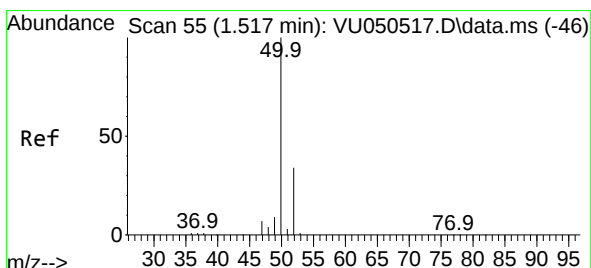
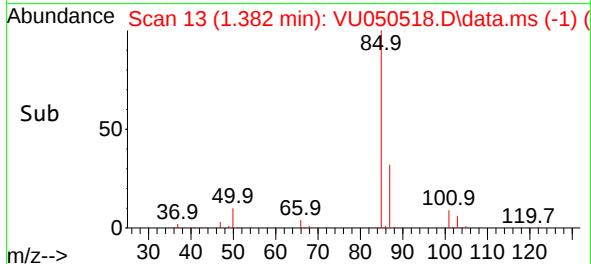
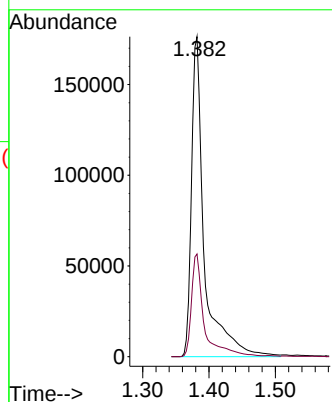
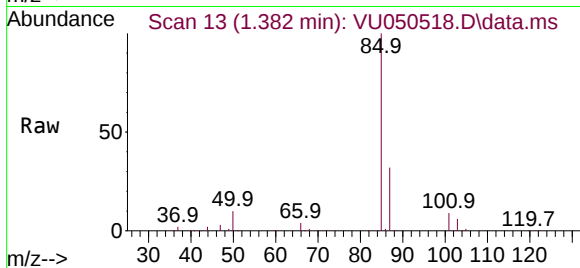




#2
Dichlorodifluoromethane
Concen: 85.263 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

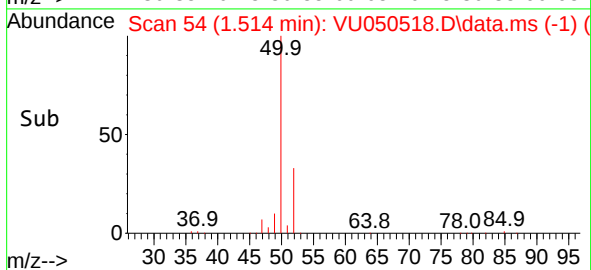
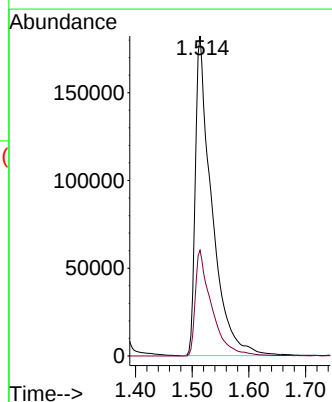
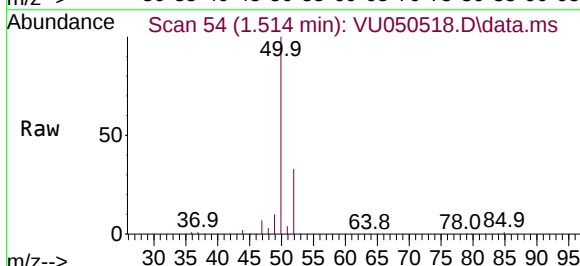
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

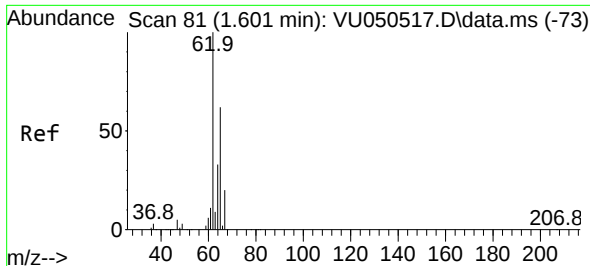
Tgt Ion: 85 Resp: 236314
Ion Ratio Lower Upper
85 100
87 32.0 25.5 38.3



#3
Chloromethane
Concen: 104.627 ug/L
RT: 1.514 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 50 Resp: 366587
Ion Ratio Lower Upper
50 100
52 33.1 23.6 43.8

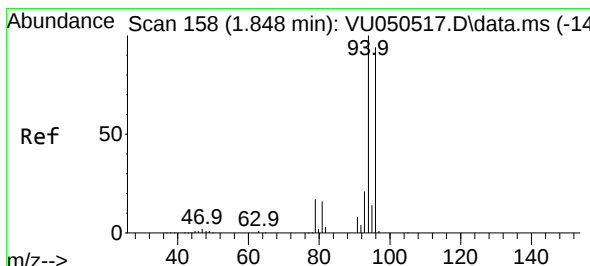
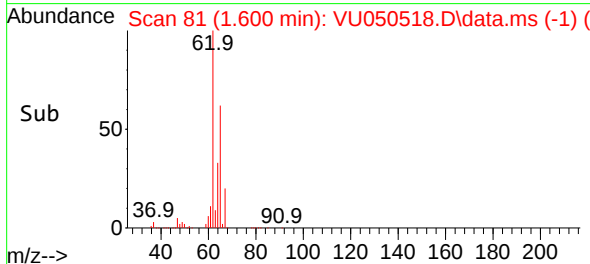
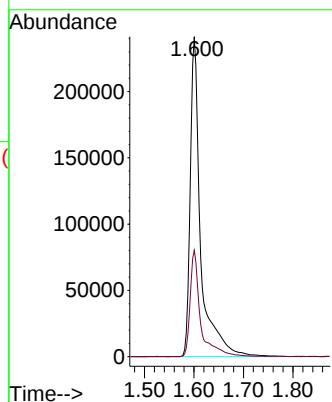
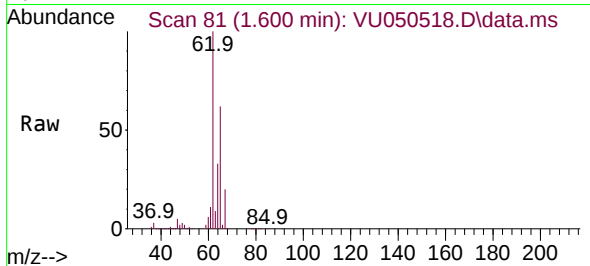




#5
 Vinyl chloride
 Concen: 104.832 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050518.D
 Acq: 30 Aug 2022 15:38

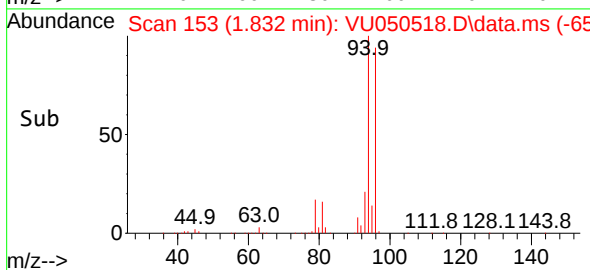
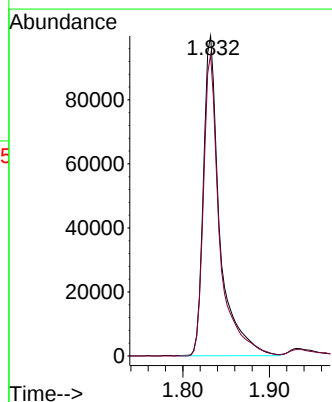
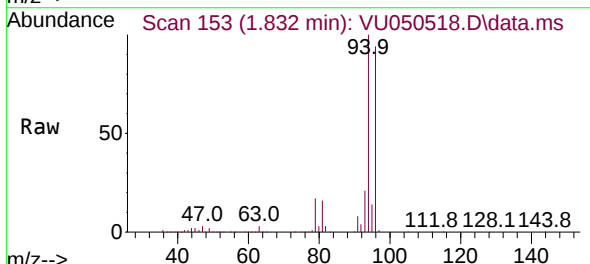
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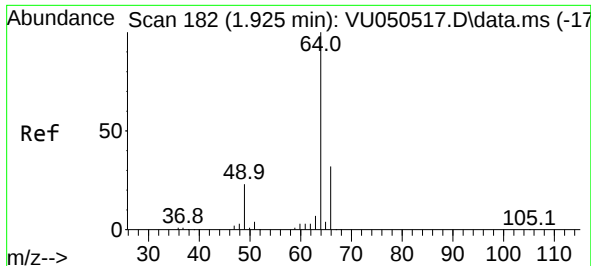
Tgt Ion: 62 Resp: 354649
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.9 42.5



#6
 Bromomethane
 Concen: 98.543 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.016 min
 Lab File: VU050518.D
 Acq: 30 Aug 2022 15:38

Tgt Ion: 94 Resp: 130683
 Ion Ratio Lower Upper
 94 100
 96 94.1 65.9 122.3

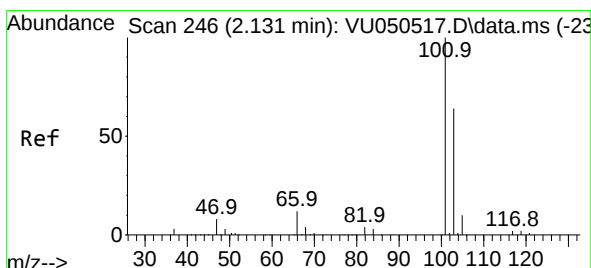
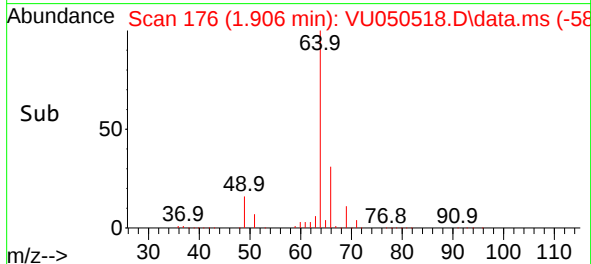
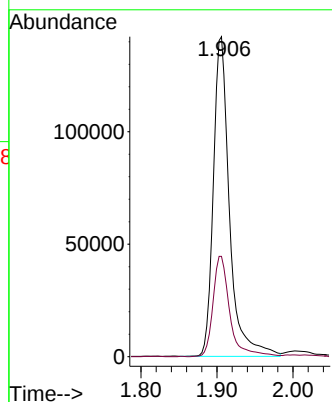
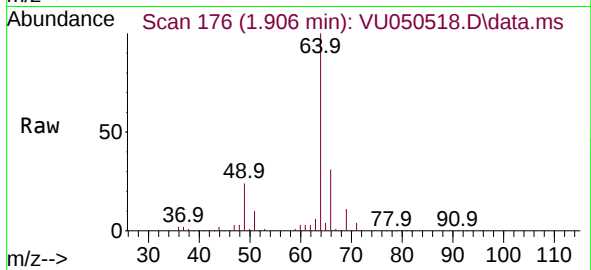




#8
Chloroethane
Concen: 101.476 ug/L
RT: 1.906 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

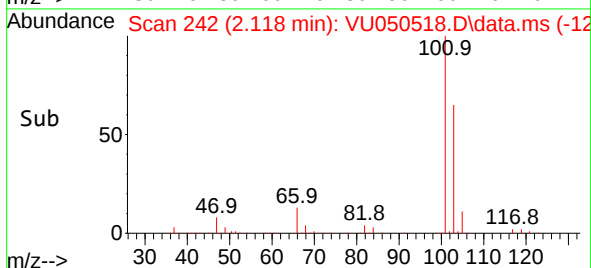
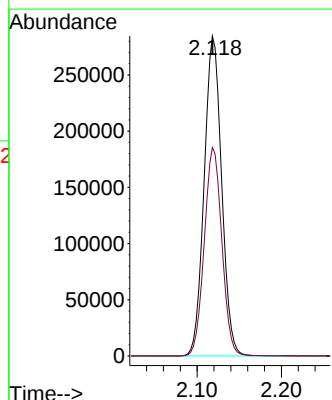
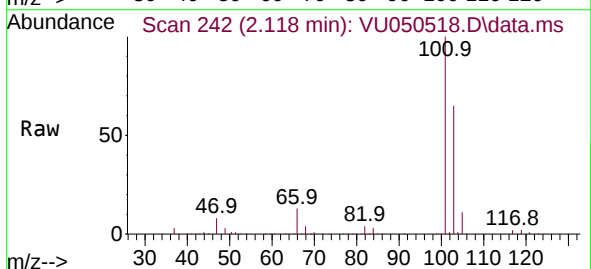
Instrument :
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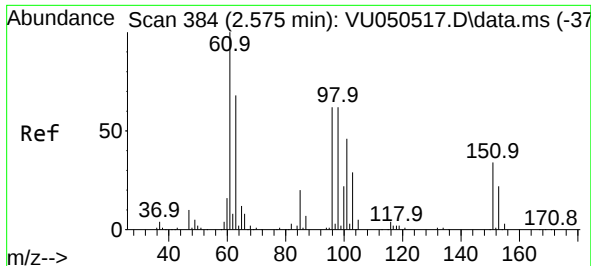
Tgt Ion: 64 Resp: 209433
Ion Ratio Lower Upper
64 100
66 31.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 98.290 ug/L
RT: 2.118 min Scan# 242
Delta R.T. -0.013 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion:101 Resp: 411676
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0





#10

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

Concen: 98.941 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.006 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD100016

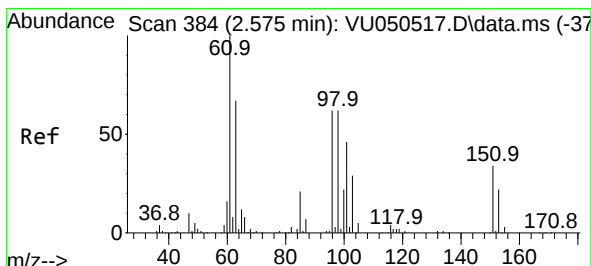
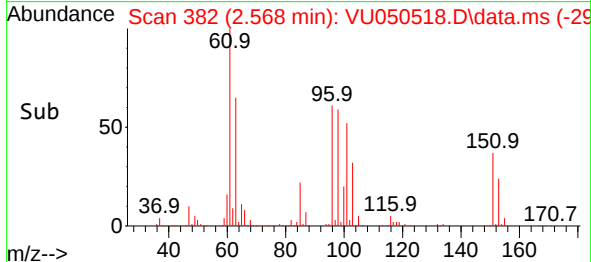
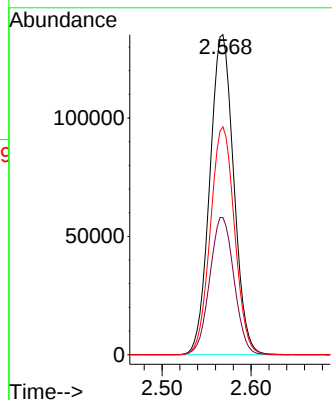
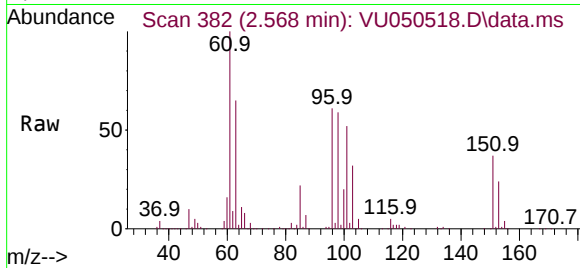
Tgt Ion:101 Resp: 252149

Ion Ratio Lower Upper

101 100

85 43.6 34.6 52.0

151 72.1 58.2 87.2



#12

1,1-Dichloroethene

Concen: 108.881 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.006 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

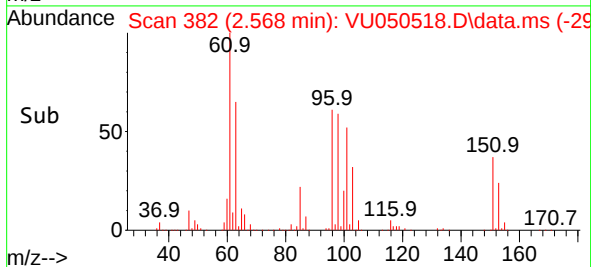
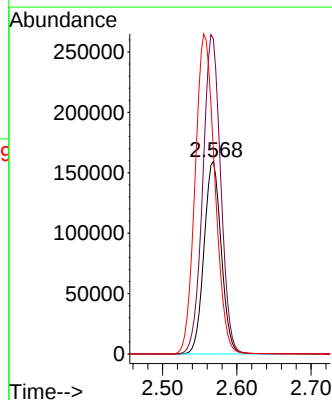
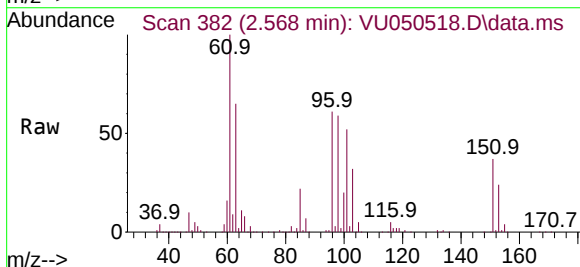
Tgt Ion: 96 Resp: 256147

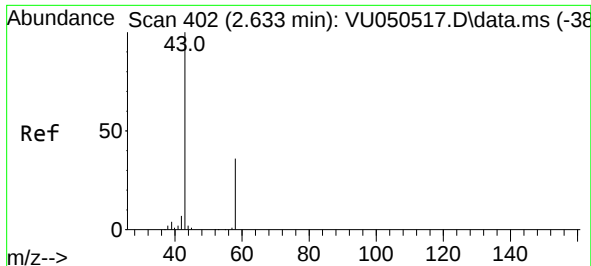
Ion Ratio Lower Upper

96 100

61 163.9 113.5 210.9

63 106.3 78.0 144.9





#13

Acetone

Concen: 191.688 ug/L

RT: 2.626 min Scan# 402

Delta R.T. -0.006 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

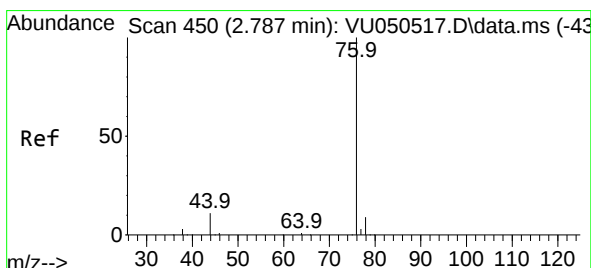
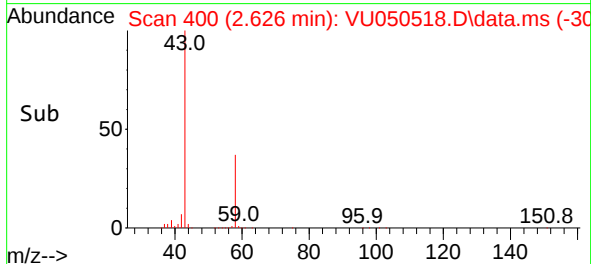
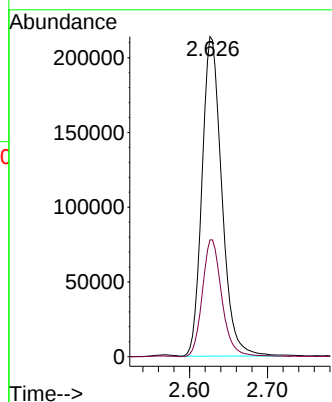
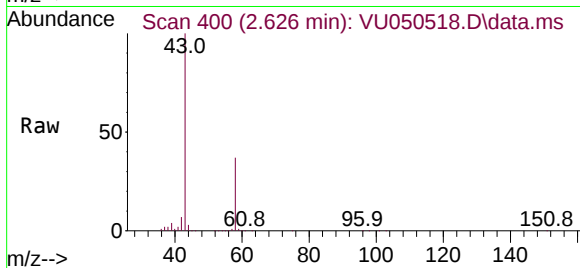
VSTD100016

Tgt Ion: 43 Resp: 377048

Ion Ratio Lower Upper

43 100

58 36.3 0.0 71.6



#14

Carbon disulfide

Concen: 107.951 ug/L

RT: 2.780 min Scan# 448

Delta R.T. -0.006 min

Lab File: VU050518.D

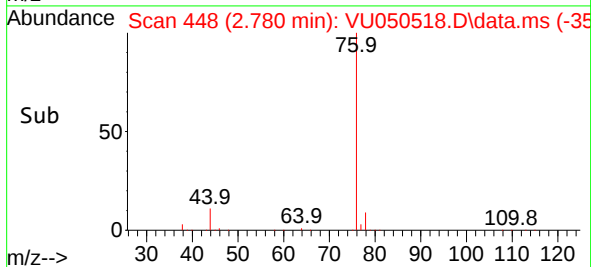
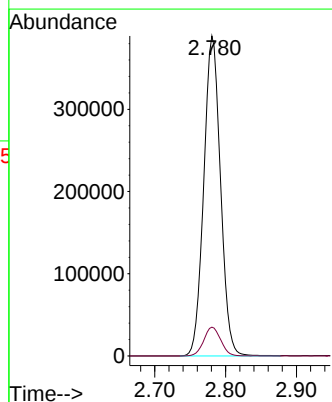
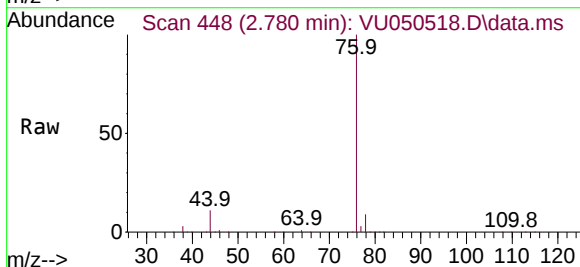
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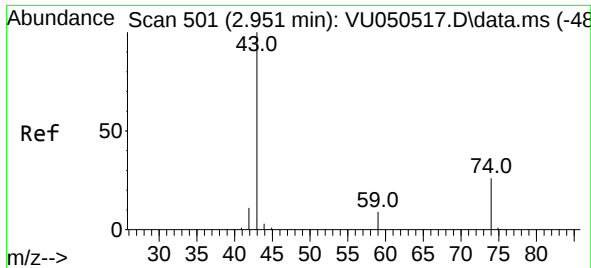
Tgt Ion: 76 Resp: 639713

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

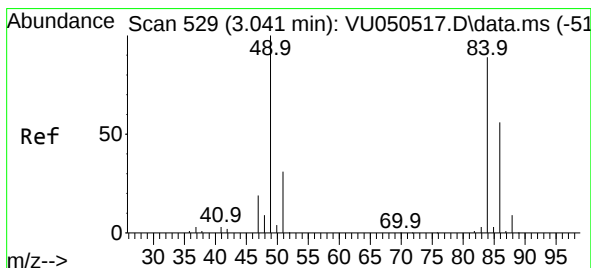
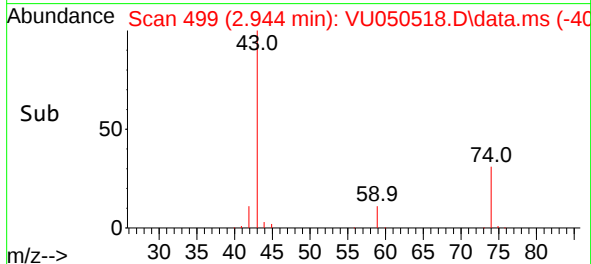
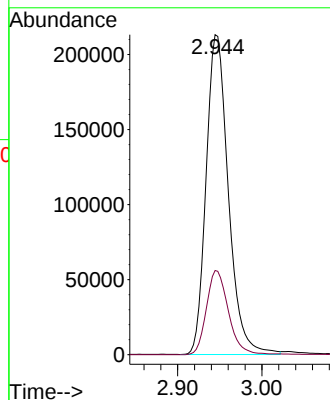
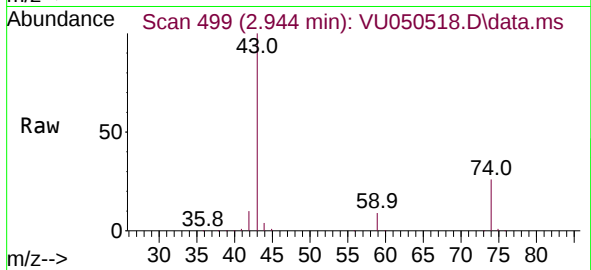




#15
Methyl Acetate
Concen: 109.142 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.006 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

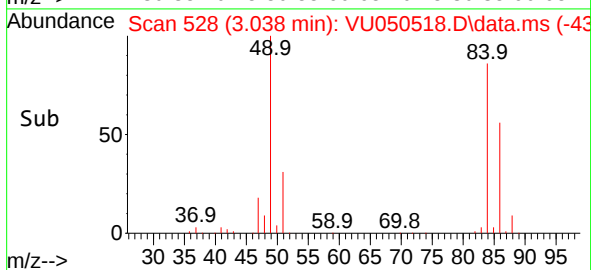
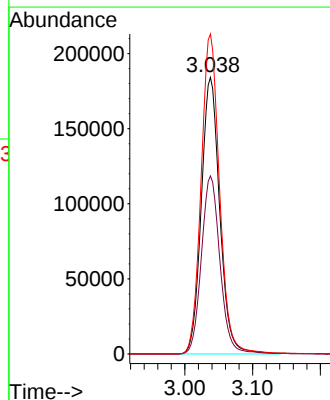
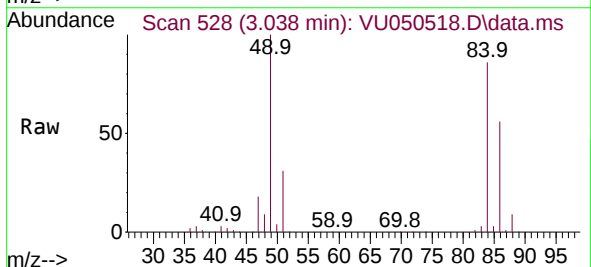
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

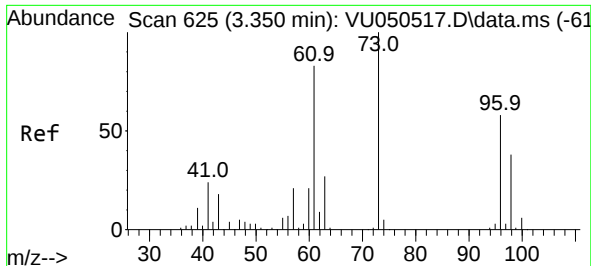
Tgt Ion: 43 Resp: 391280
Ion Ratio Lower Upper
43 100
74 25.9 21.0 31.6



#16
Methylene chloride
Concen: 103.925 ug/L
RT: 3.038 min Scan# 528
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 84 Resp: 348165
Ion Ratio Lower Upper
84 100
86 64.4 44.3 82.3
49 115.7 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 112.104 ug/L

RT: 3.343 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD100016

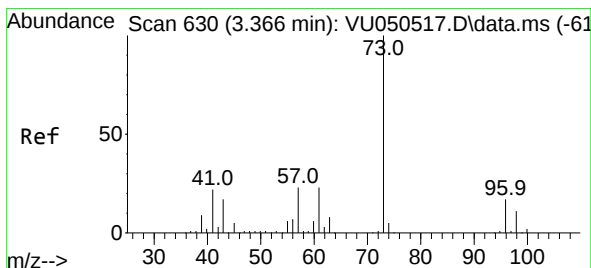
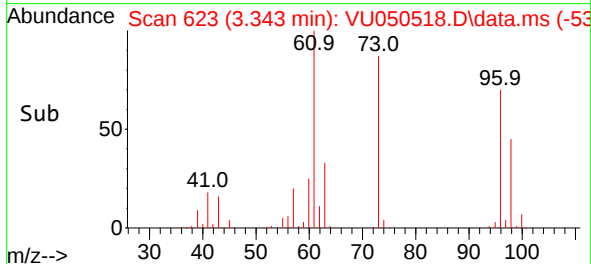
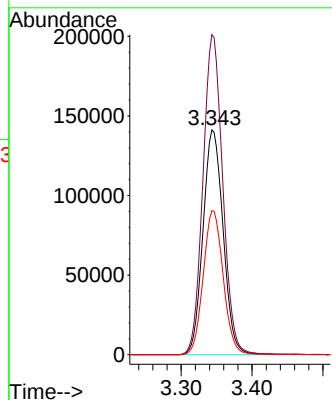
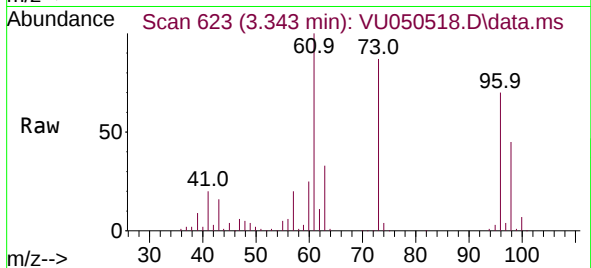
Tgt Ion: 96 Resp: 278797

Ion Ratio Lower Upper

96 100

61 142.3 99.7 185.1

98 64.0 46.2 85.8



#18

Methyl tert-butyl Ether

Concen: 120.078 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

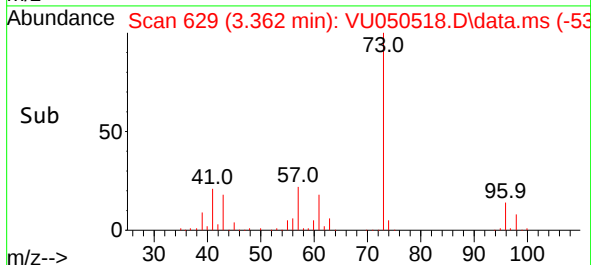
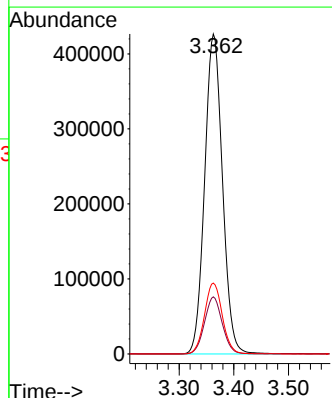
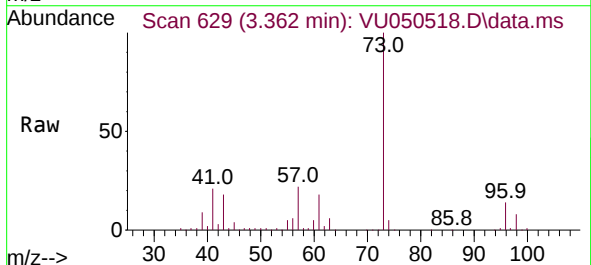
Tgt Ion: 73 Resp: 964663

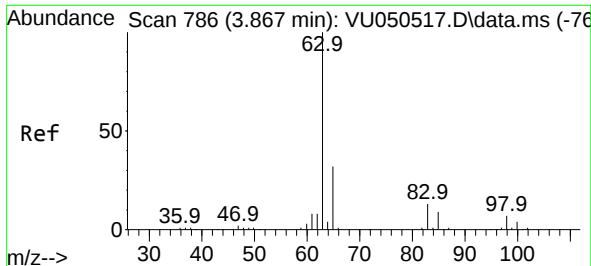
Ion Ratio Lower Upper

73 100

43 17.7 13.9 20.9

57 22.2 17.8 26.6





#19

1,1-Dichloroethane

Concen: 103.542 ug/L

RT: 3.861 min Scan# 786

Delta R.T. -0.006 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD100016

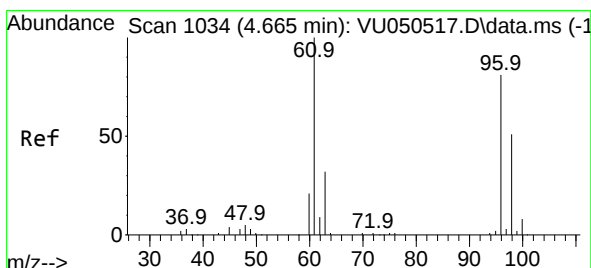
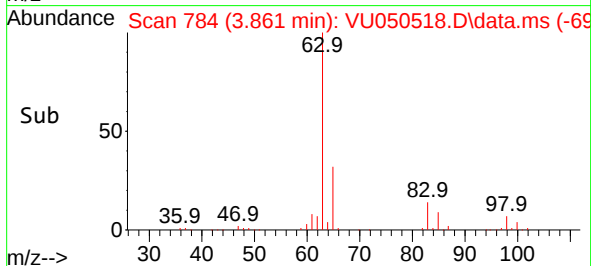
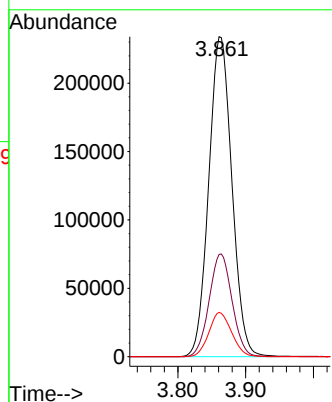
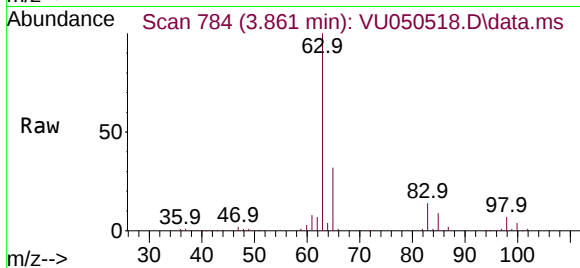
Tgt Ion: 63 Resp: 554681

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.9

83 13.8 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 111.755 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

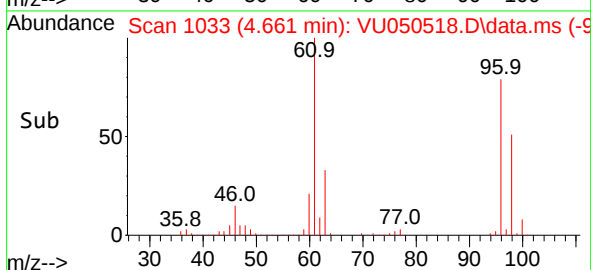
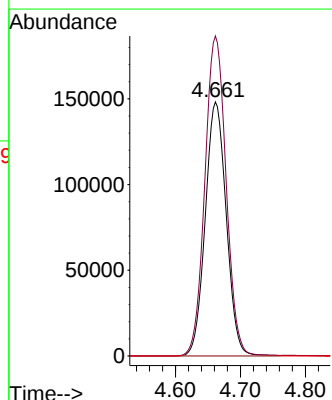
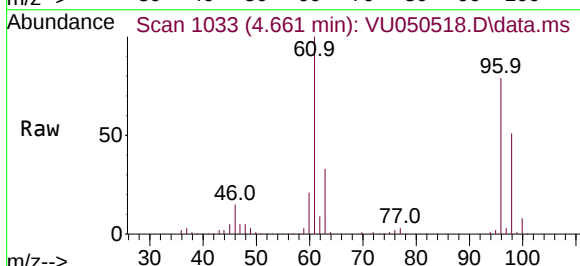
Tgt Ion: 96 Resp: 333441

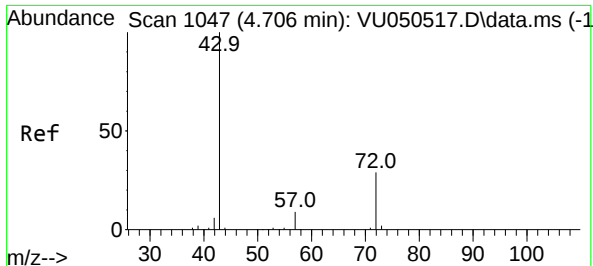
Ion Ratio Lower Upper

96 100

61 125.9 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 223.782 ug/L

RT: 4.703 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

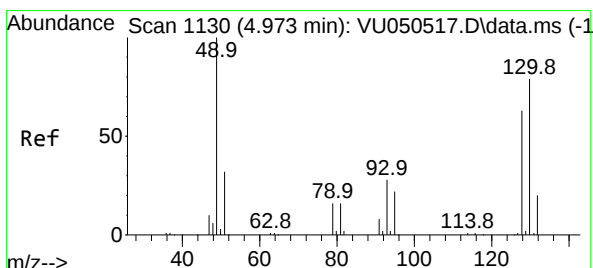
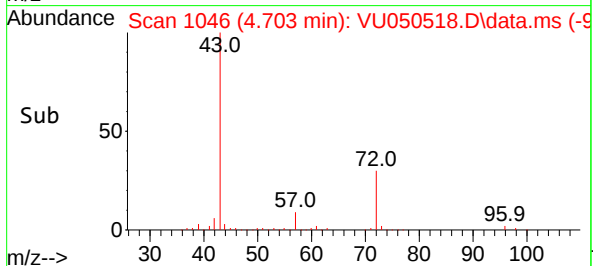
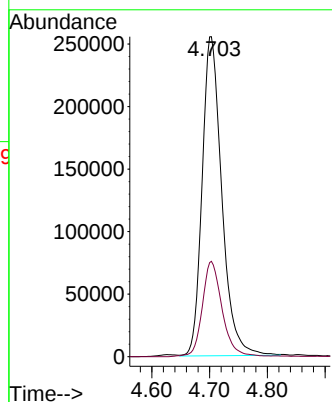
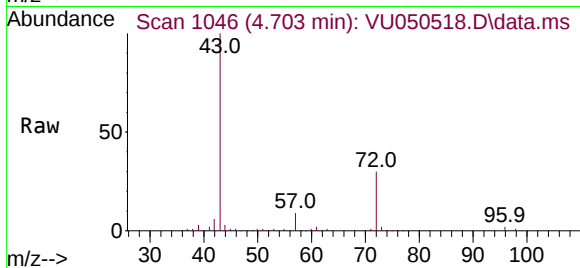
VSTD100016

Tgt Ion: 43 Resp: 604773

Ion Ratio Lower Upper

43 100

72 30.1 14.8 44.3



#23

Bromochloromethane

Concen: 107.095 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Tgt Ion:128 Resp: 174579

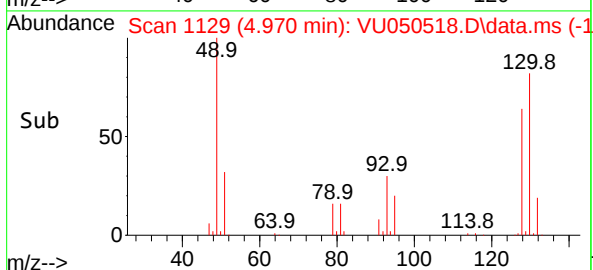
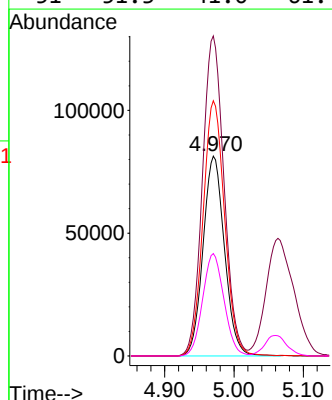
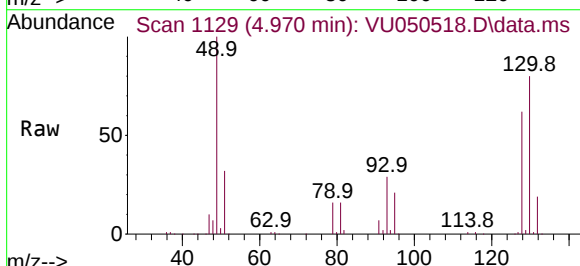
Ion Ratio Lower Upper

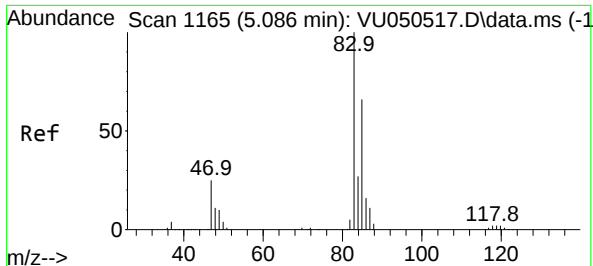
128 100

49 160.2 111.9 207.7

130 127.7 87.8 163.0

51 51.3 41.0 61.4





#25

Chloroform

Concen: 101.180 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

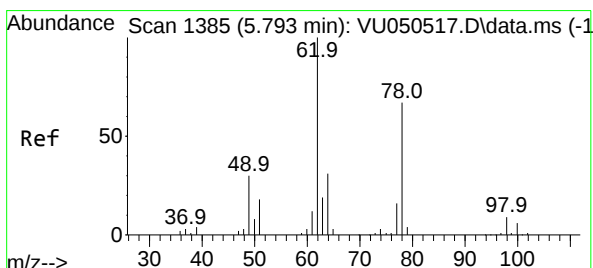
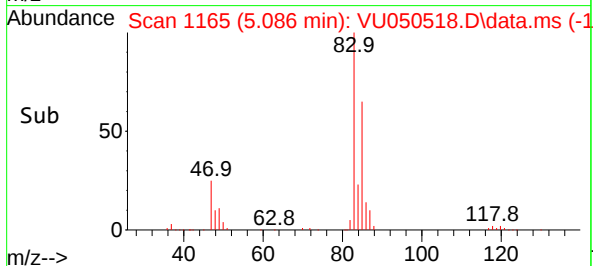
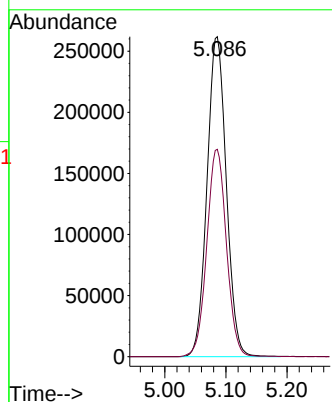
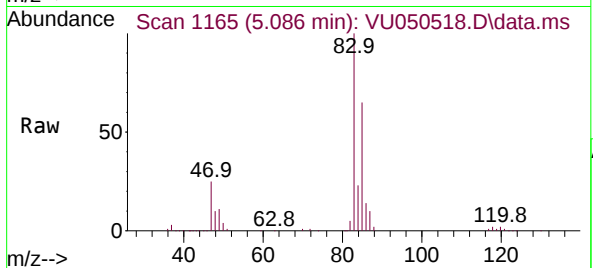
VSTD100016

Tgt Ion: 83 Resp: 573352

Ion Ratio Lower Upper

83 100

85 64.8 46.3 85.9



#27

1,2-Dichloroethane

Concen: 105.350 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU050518.D

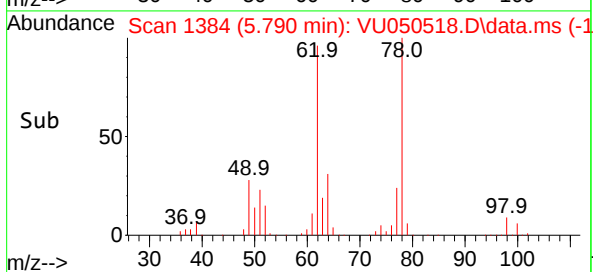
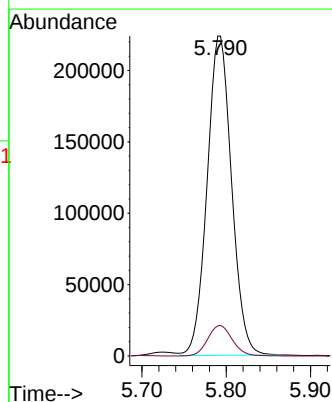
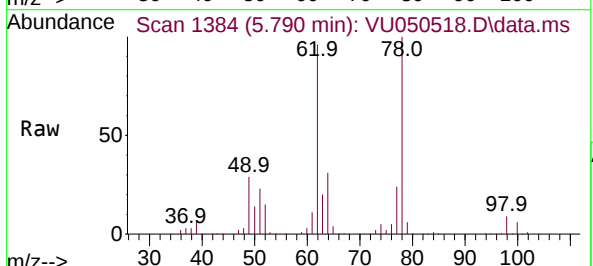
Acq: 30 Aug 2022 15:38

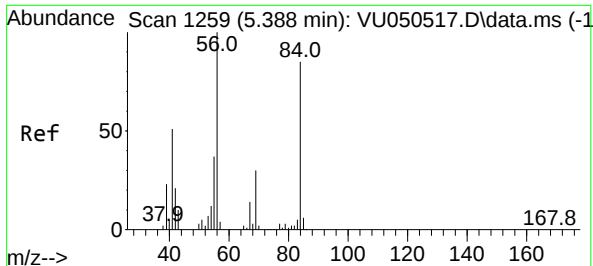
Tgt Ion: 62 Resp: 452046

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 131.089 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD100016

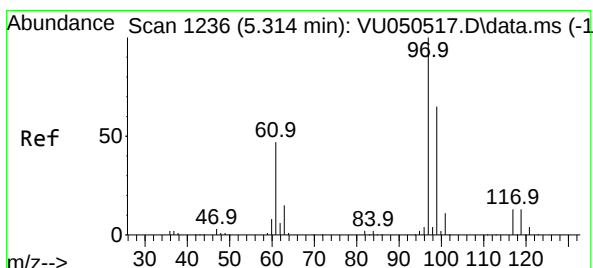
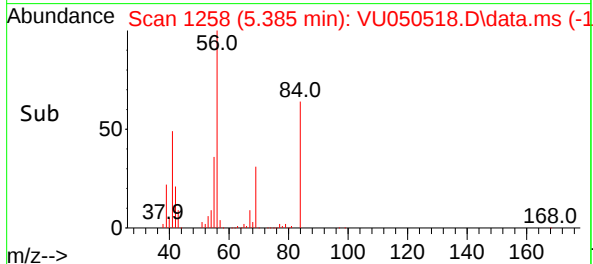
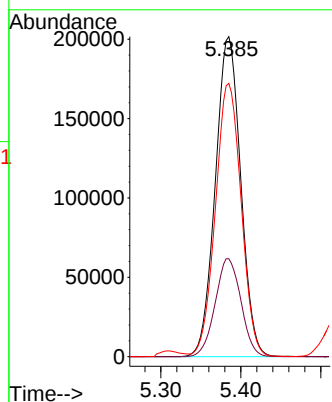
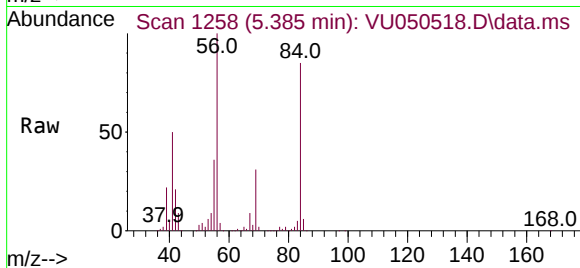
Tgt Ion: 56 Resp: 444601

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 86.6 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 105.101 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

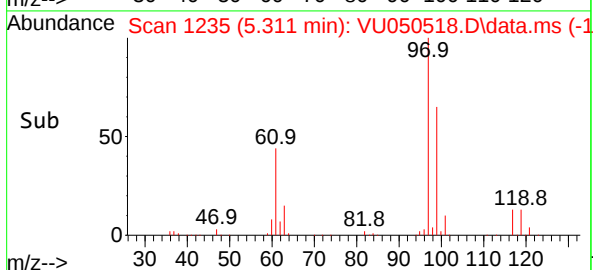
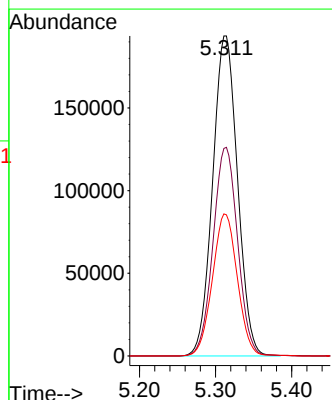
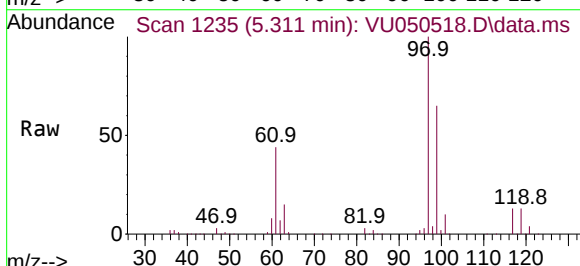
Tgt Ion: 97 Resp: 440127

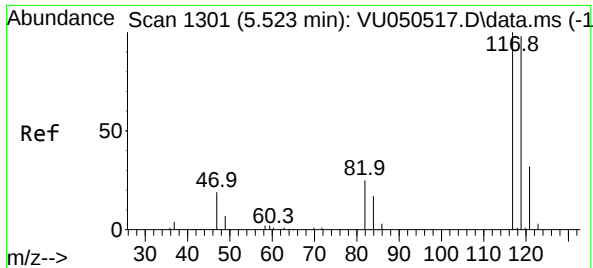
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 44.5 36.4 54.6

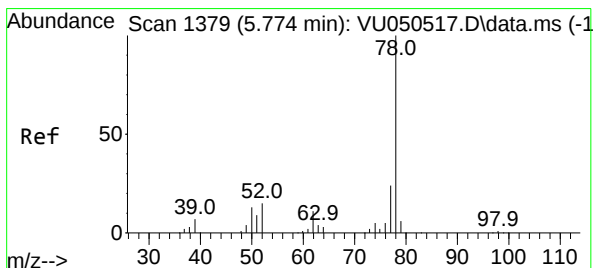
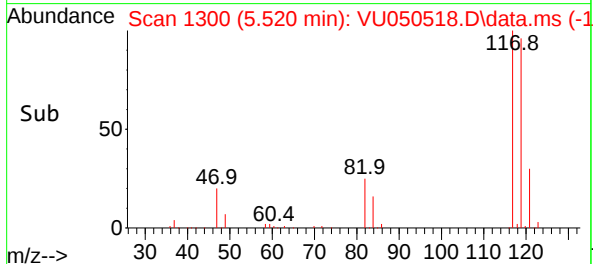
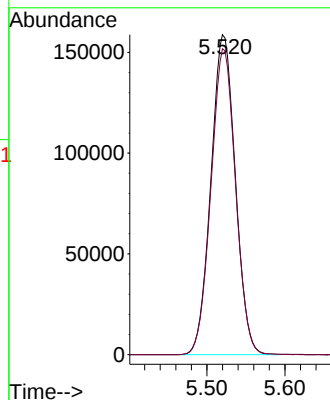
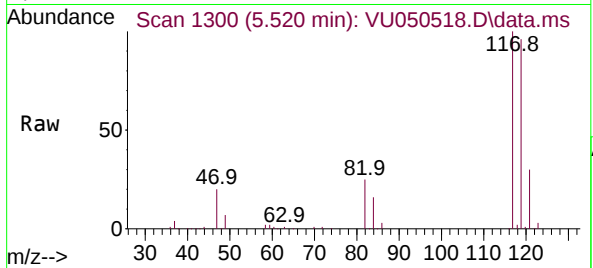




#31
Carbon tetrachloride
Concen: 102.307 ug/L
RT: 5.520 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

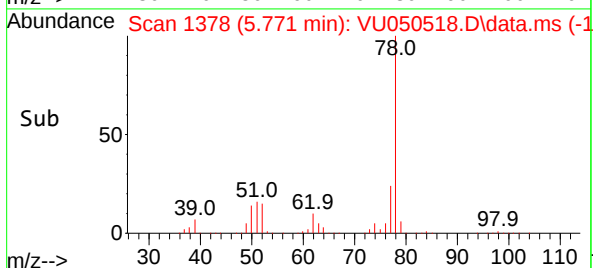
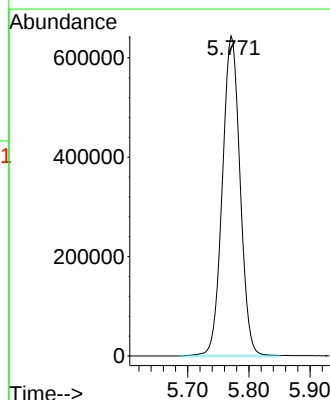
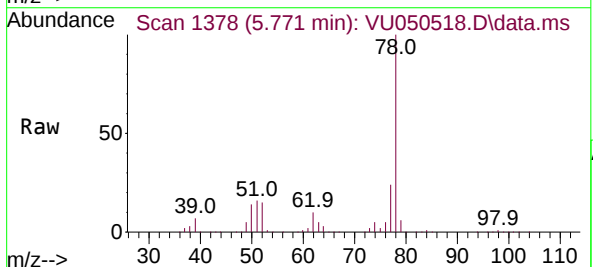
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

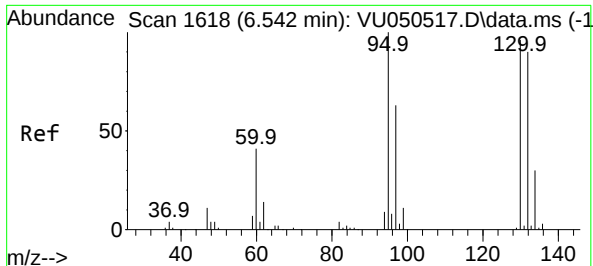
Tgt Ion:117 Resp: 345450
Ion Ratio Lower Upper
117 100
119 96.3 78.8 118.2



#33
Benzene
Concen: 114.684 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 78 Resp: 1300157

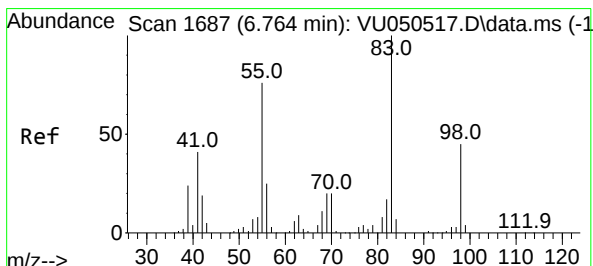
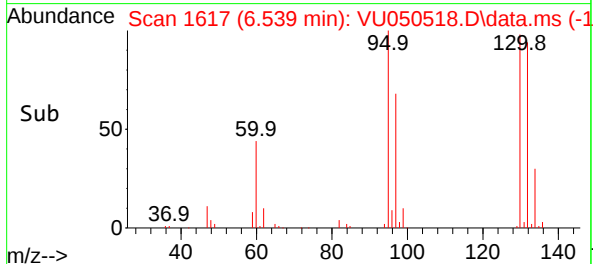
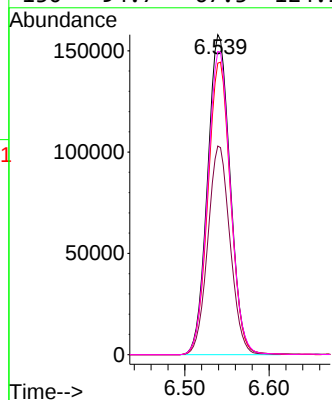
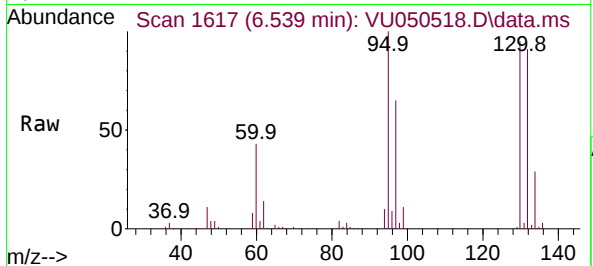




#34
Trichloroethene
Concen: 111.016 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

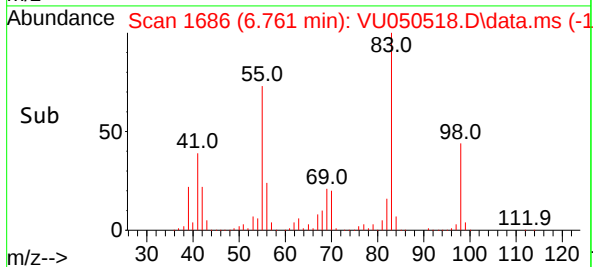
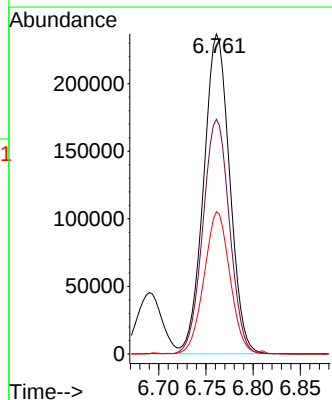
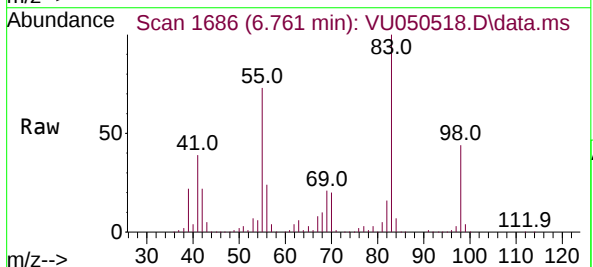
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

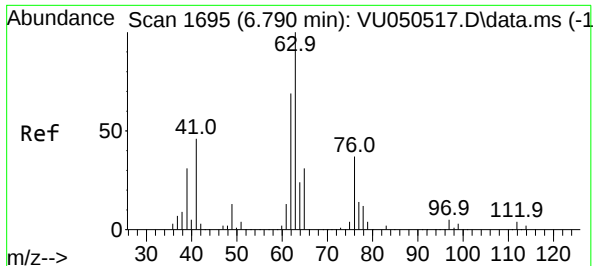
Tgt Ion: 95 Resp: 295132
Ion Ratio Lower Upper
95 100
97 65.2 44.2 82.2
132 91.1 63.2 117.4
130 94.7 67.3 124.9



#35
Methylcyclohexane
Concen: 124.469 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 83 Resp: 452299
Ion Ratio Lower Upper
83 100
55 75.1 61.0 91.4
98 44.3 35.7 53.5





#37

1,2-Dichloropropane

Concen: 109.084 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

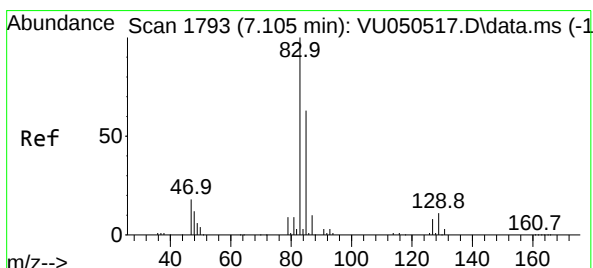
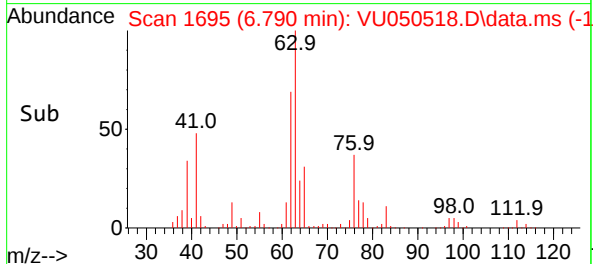
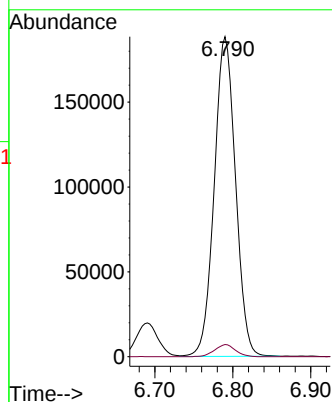
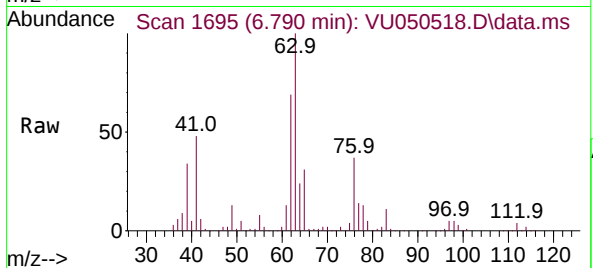
VSTD100016

Tgt Ion: 63 Resp: 357067

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 100.929 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

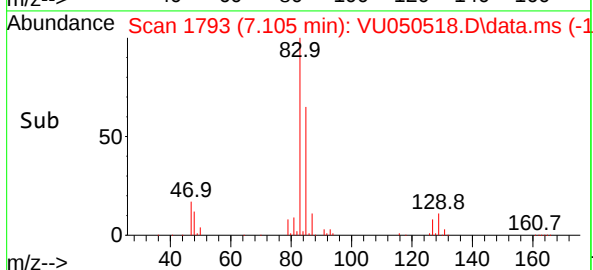
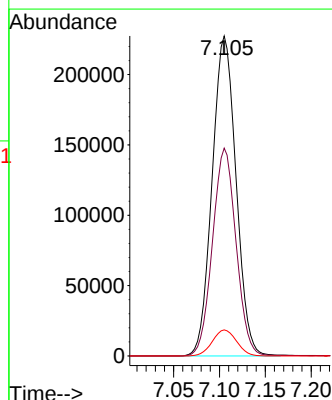
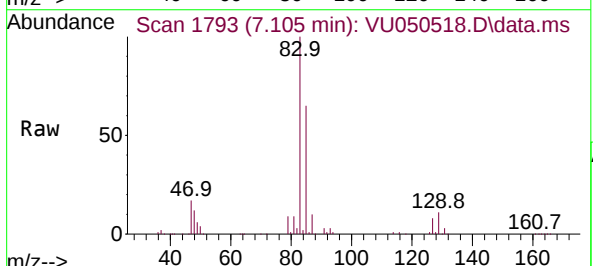
Tgt Ion: 83 Resp: 412388

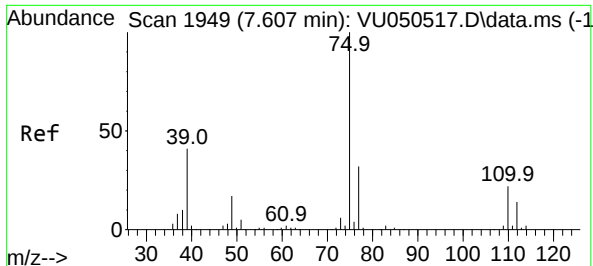
Ion Ratio Lower Upper

83 100

85 64.9 44.4 82.4

127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 117.936 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

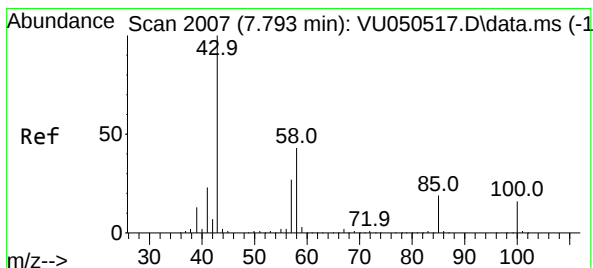
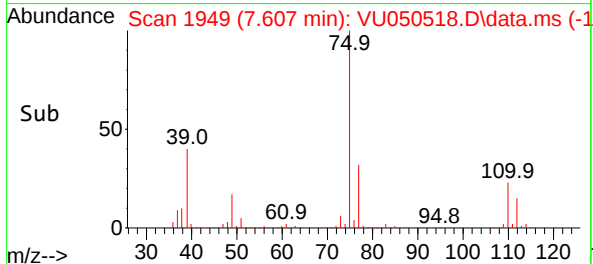
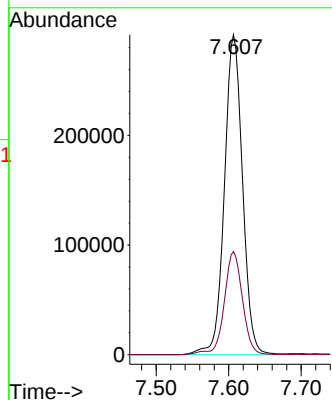
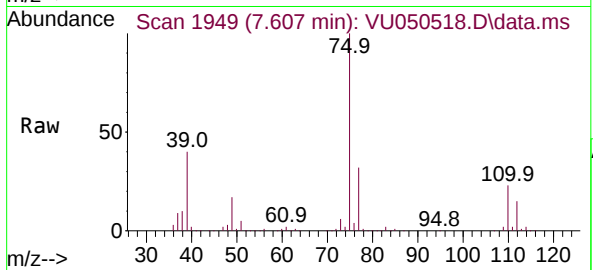
VSTD100016

Tgt Ion: 75 Resp: 506886

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 247.870 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

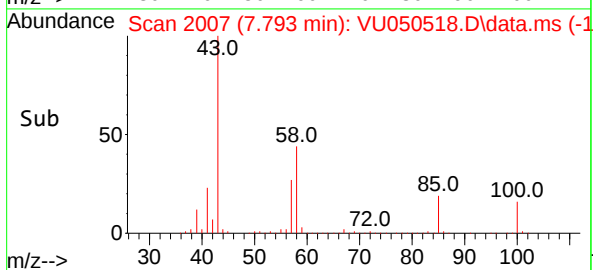
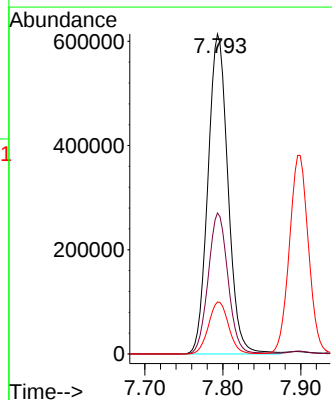
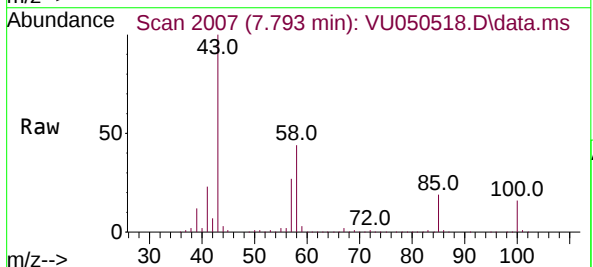
Tgt Ion: 43 Resp: 1097609

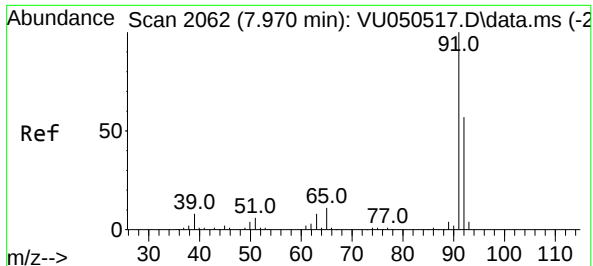
Ion Ratio Lower Upper

43 100

58 43.7 34.2 51.4

100 16.3 12.9 19.3

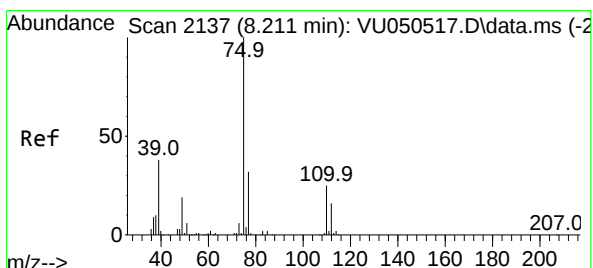
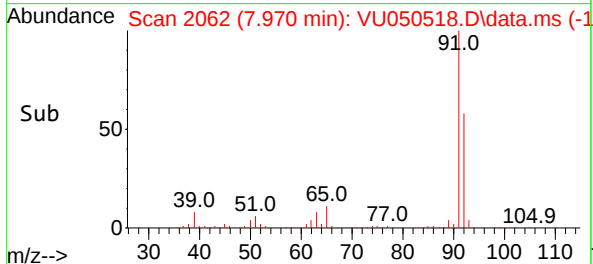
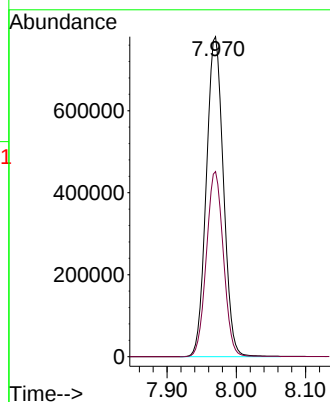
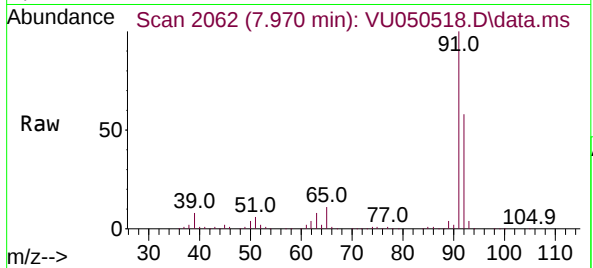




#42
Toluene
Concen: 117.552 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

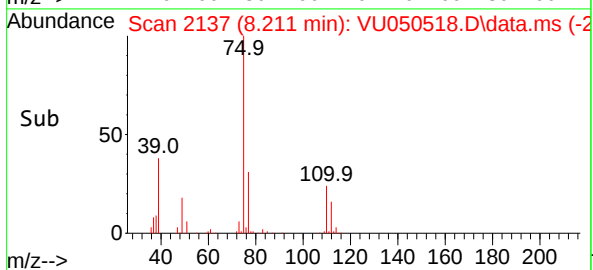
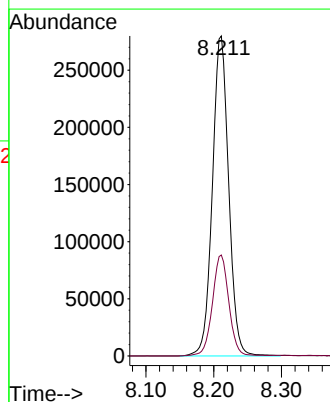
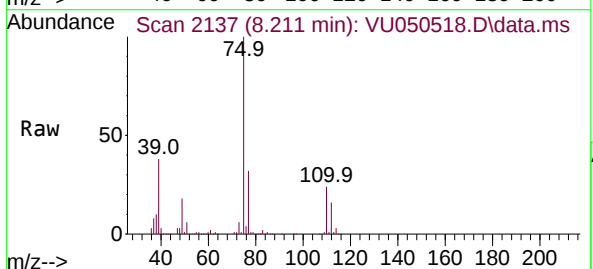
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

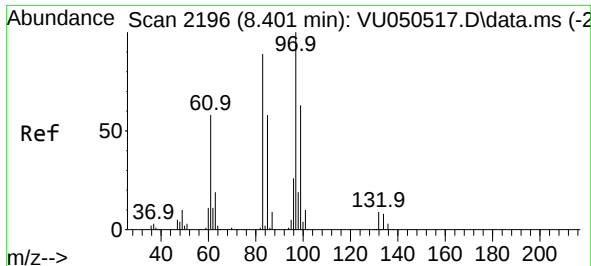
Tgt Ion: 91 Resp: 1335731
Ion Ratio Lower Upper
91 100
92 57.8 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 117.195 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 75 Resp: 467402
Ion Ratio Lower Upper
75 100
77 31.6 22.2 41.2



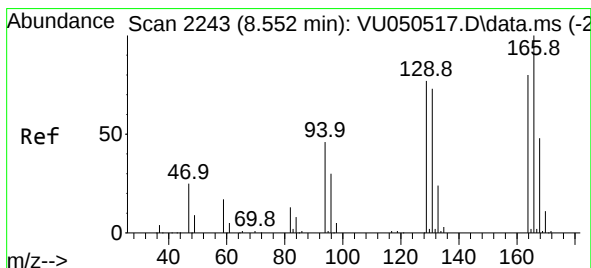
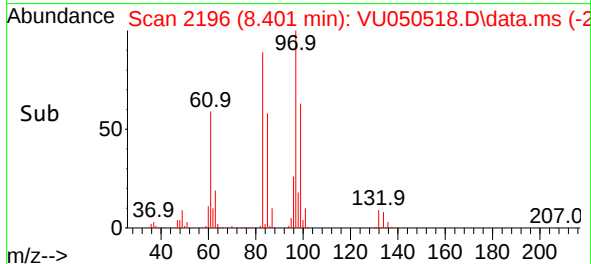
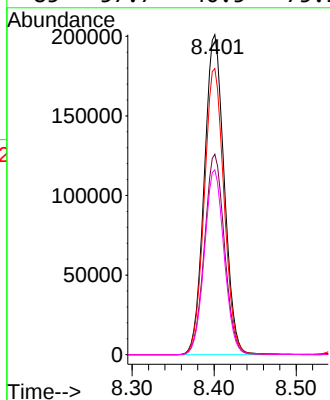
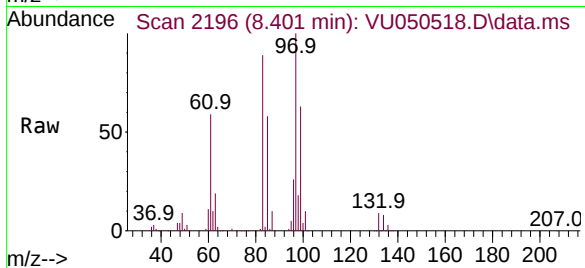


#45
1,1,2-Trichloroethane
Concen: 105.603 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

Tgt Ion: 97 Resp: 339553

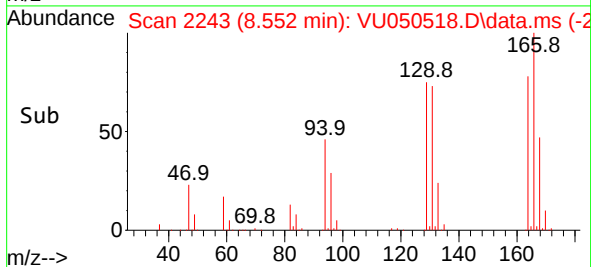
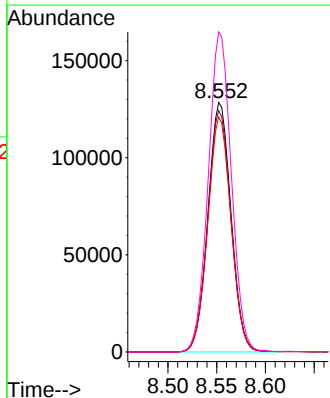
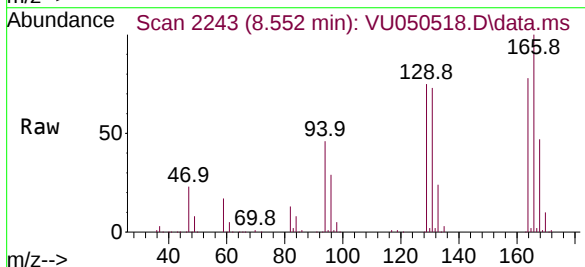
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.3	82.3
83	89.4	62.1	115.3
85	57.7	40.5	75.1

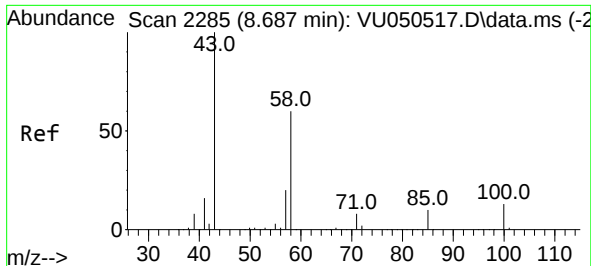


#46
Tetrachloroethene
Concen: 109.734 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 164 Resp: 212015

Ion	Ratio	Lower	Upper
164	100		
129	96.8	67.5	125.3
131	94.2	63.8	118.4
166	128.3	87.2	161.9



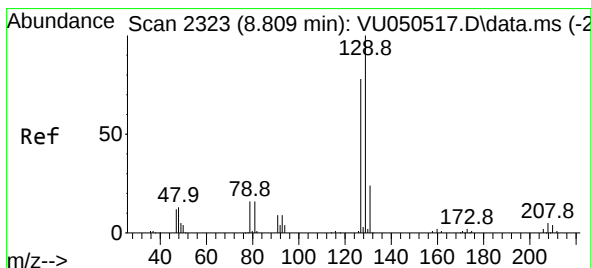
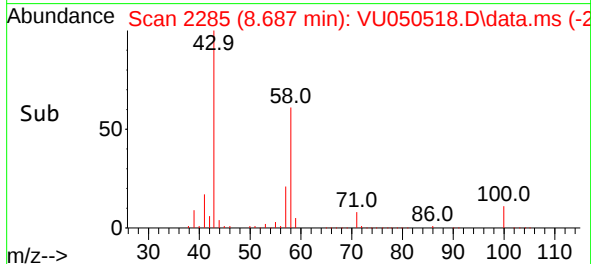
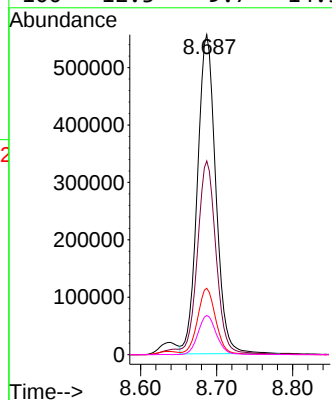
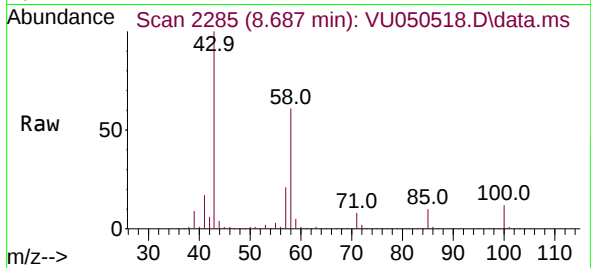


#48
2-Hexanone
Concen: 251.577 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

Tgt Ion: 43 Resp: 931085

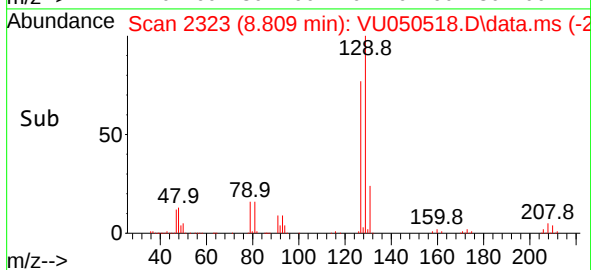
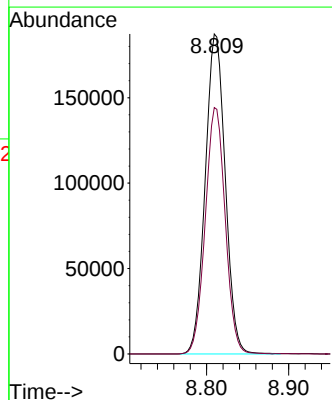
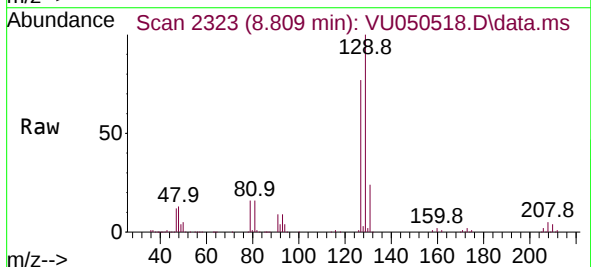
Ion	Ratio	Lower	Upper
43	100		
58	61.1	46.6	69.8
57	20.9	15.8	23.6
100	12.3	9.7	14.5

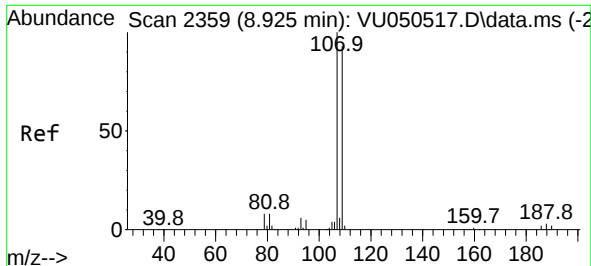


#49
Dibromochloromethane
Concen: 98.523 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 129 Resp: 318111

Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.9	101.9





#50

1,2-Dibromoethane

Concen: 111.452 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD100016

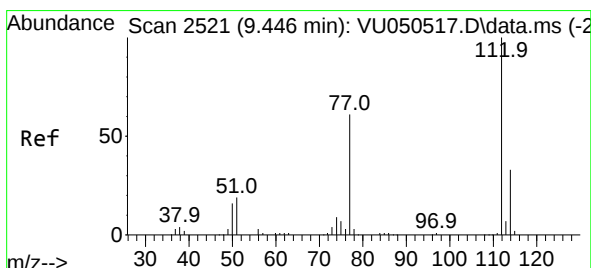
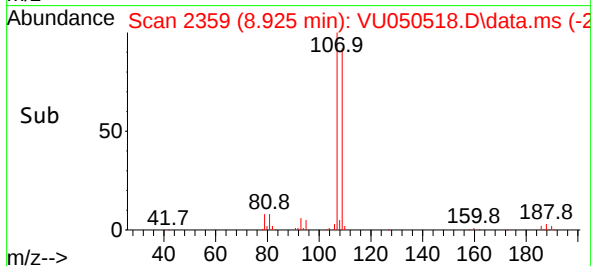
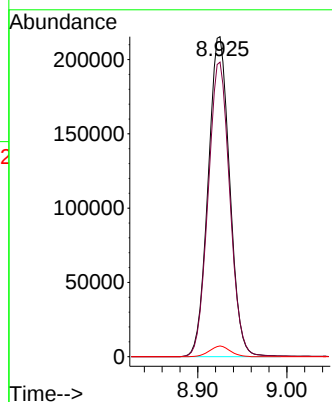
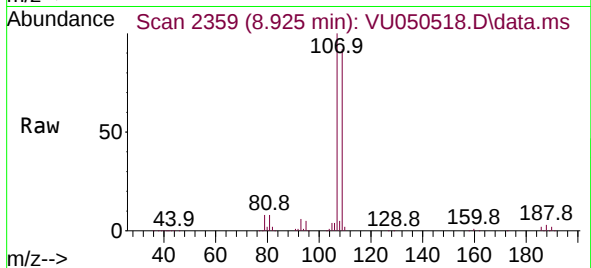
Tgt Ion:107 Resp: 361290

Ion Ratio Lower Upper

107 100

109 92.1 65.2 121.0

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 107.369 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

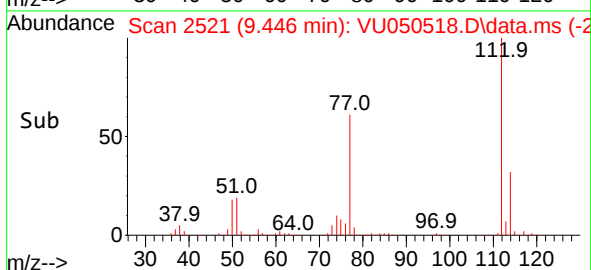
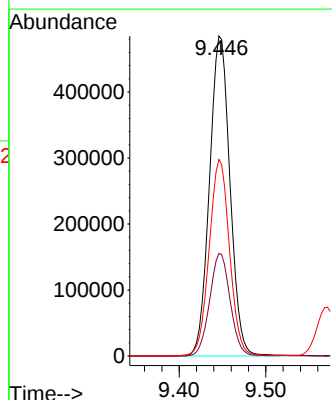
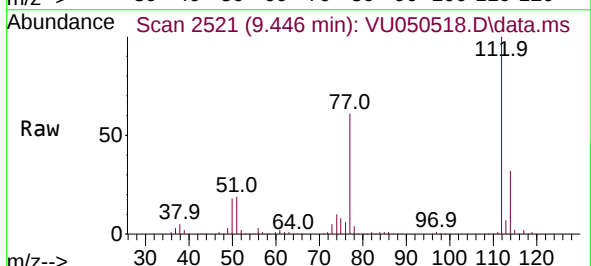
Tgt Ion:112 Resp: 796273

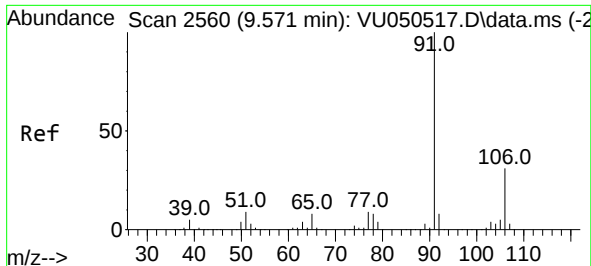
Ion Ratio Lower Upper

112 100

114 32.1 23.0 42.6

77 61.4 49.4 74.2

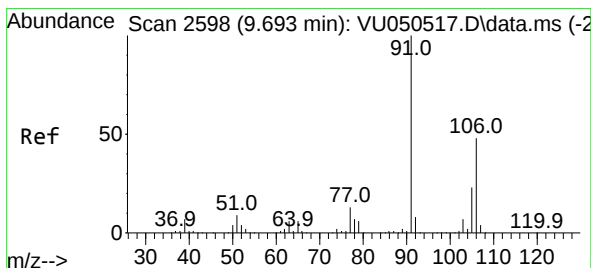
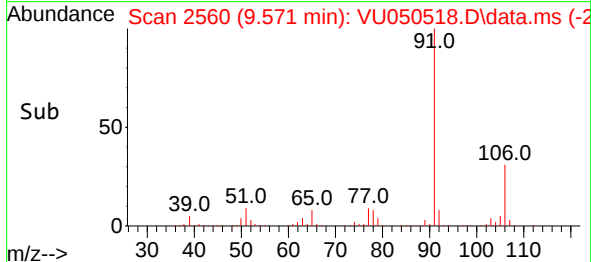
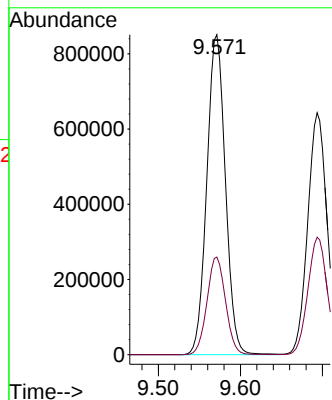
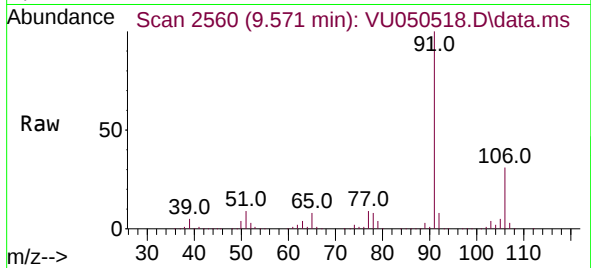




#52
Ethylbenzene
Concen: 117.812 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

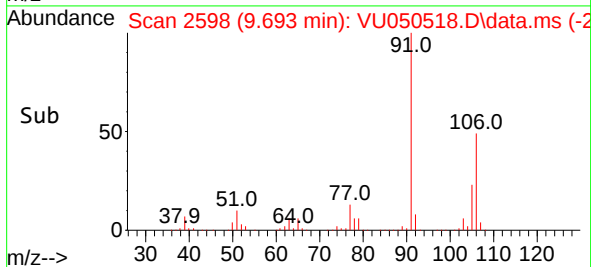
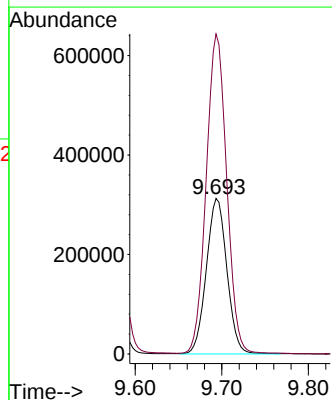
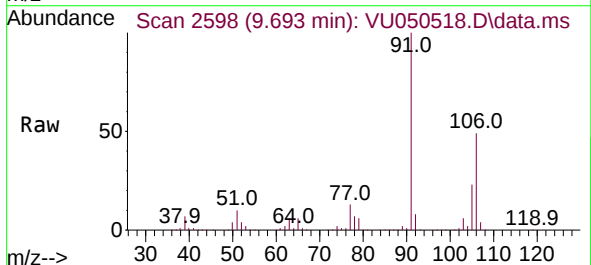
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

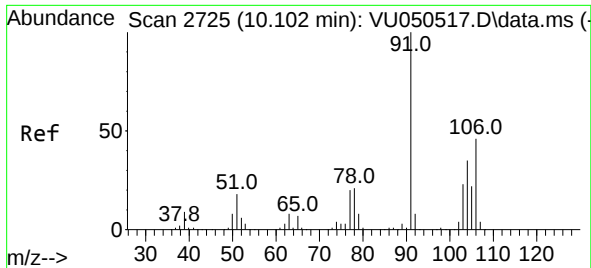
Tgt Ion: 91 Resp: 1341185
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 121.489 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 106 Resp: 516578
Ion Ratio Lower Upper
106 100
91 205.8 145.1 269.5

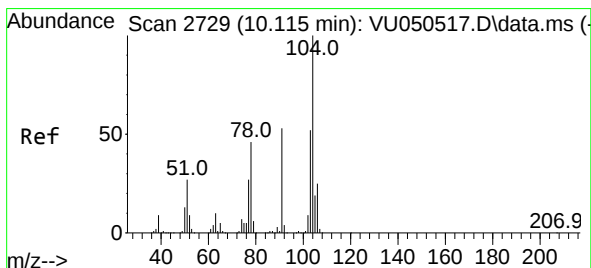
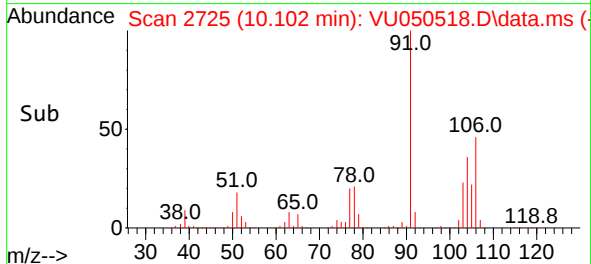
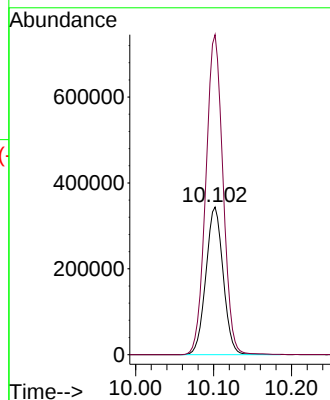
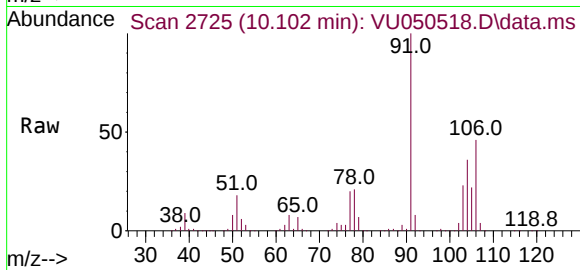




#54
o-Xylene
Concen: 124.228 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

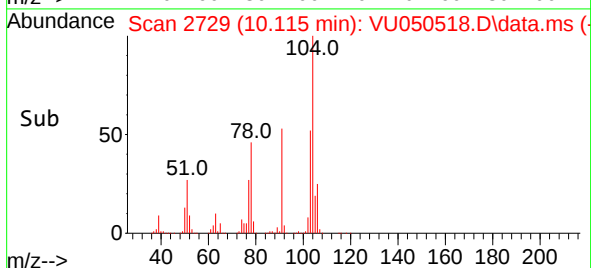
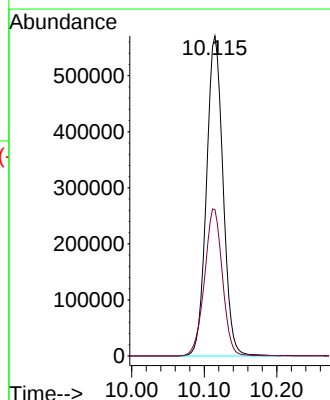
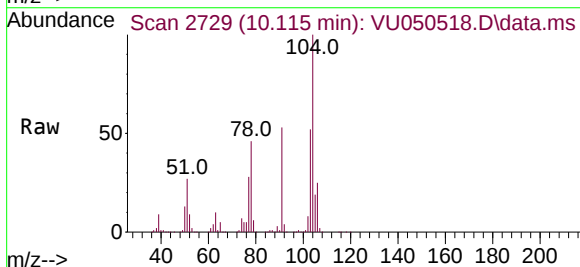
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

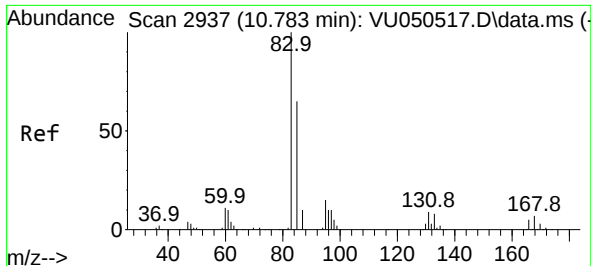
Tgt Ion:106 Resp: 529424
Ion Ratio Lower Upper
106 100
91 216.8 152.0 282.2



#55
Styrene
Concen: 125.974 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion:104 Resp: 905948
Ion Ratio Lower Upper
104 100
78 45.8 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 114.393 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD100016

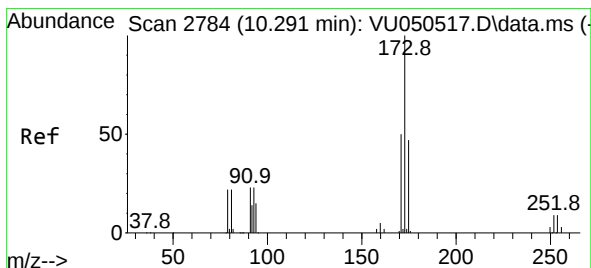
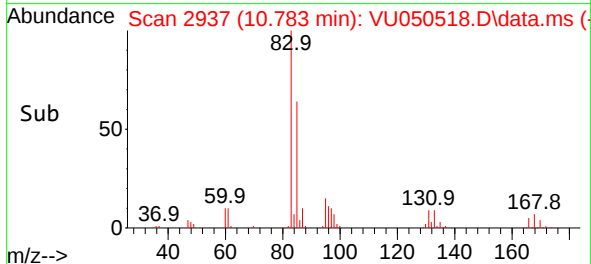
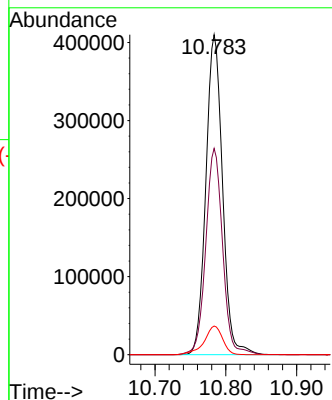
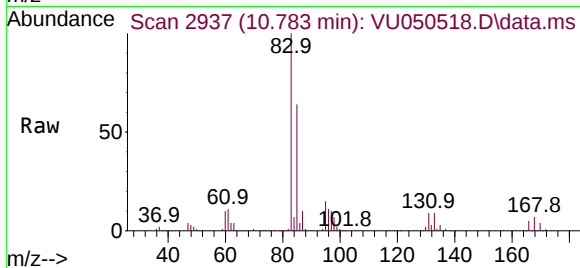
Tgt Ion: 83 Resp: 667265

Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

131 9.0 7.2 10.8



#59

Bromoform

Concen: 91.963 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

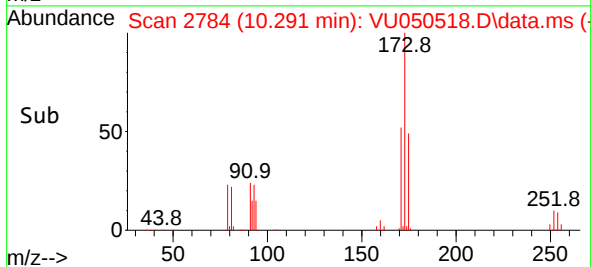
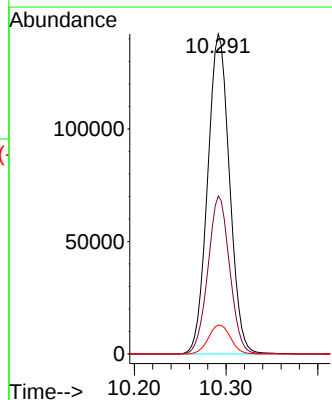
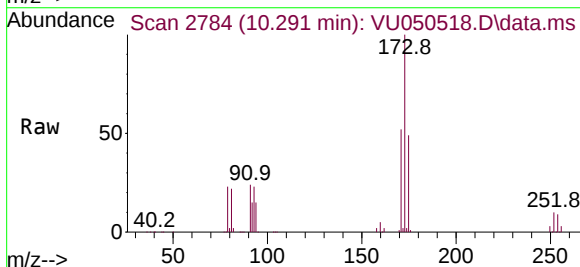
Tgt Ion:173 Resp: 236248

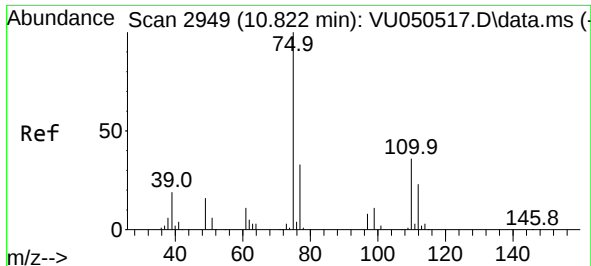
Ion Ratio Lower Upper

173 100

175 48.9 37.8 56.8

254 9.1 7.7 11.5

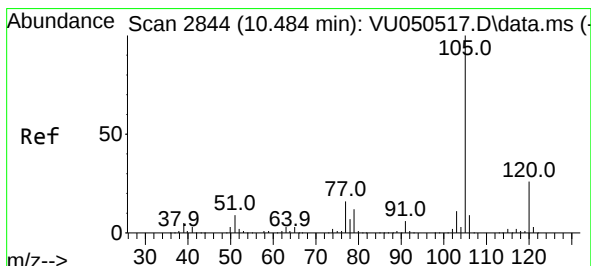
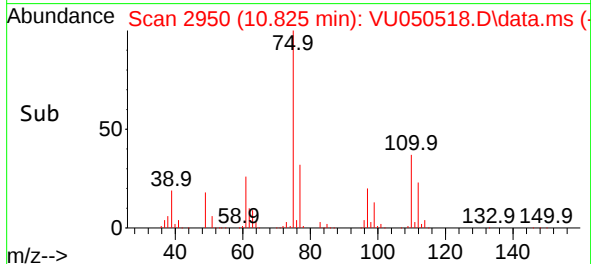
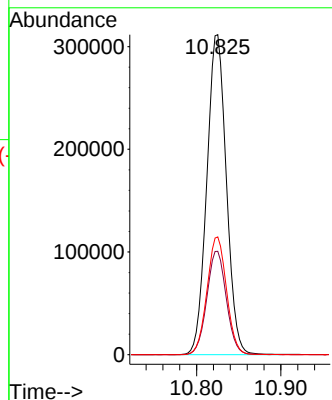
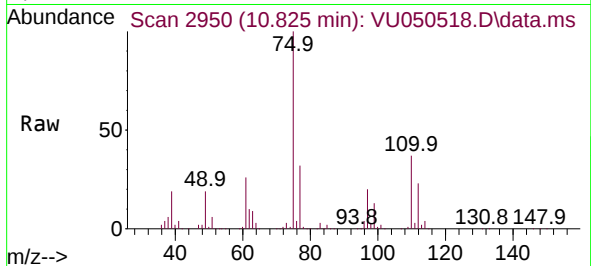




#60
1,2,3-Trichloropropane
Concen: 104.670 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

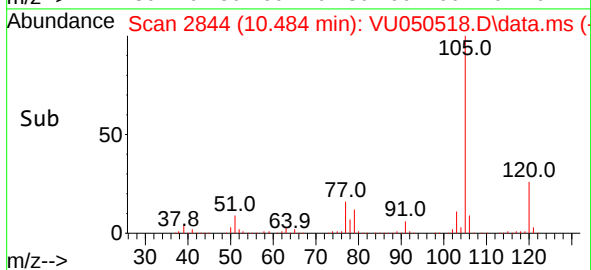
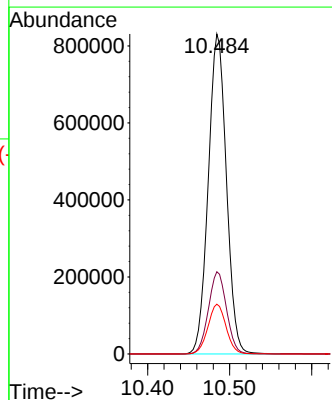
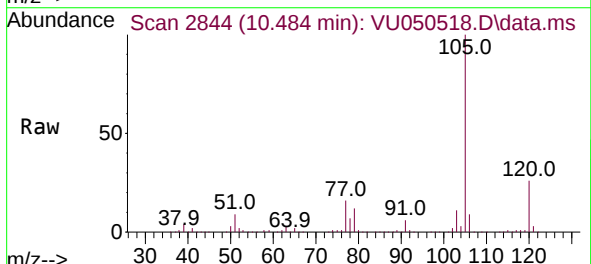
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

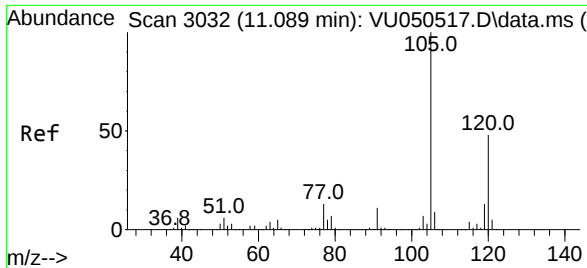
Tgt Ion: 75 Resp: 503107
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.4
110 36.8 29.0 43.6



#61
Isopropylbenzene
Concen: 111.505 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion: 105 Resp: 1274343
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 15.6 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 118.488 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

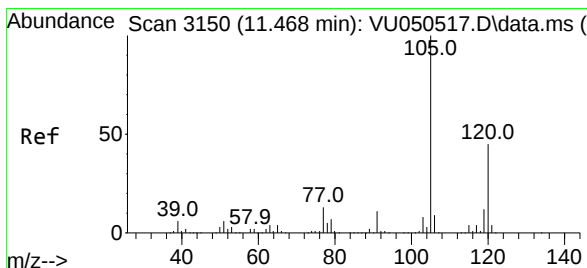
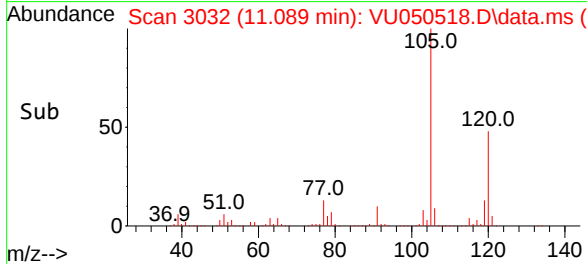
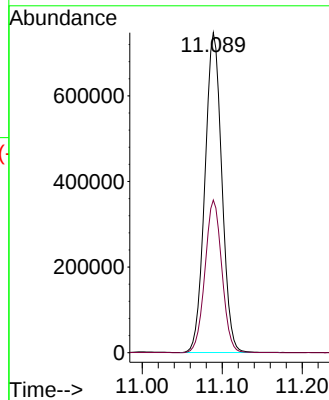
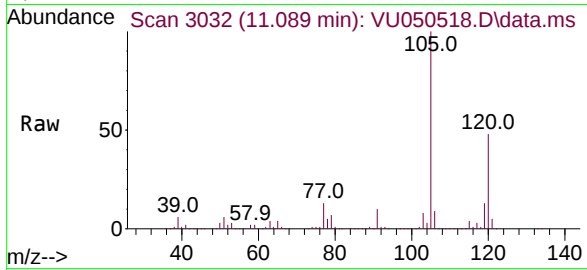
VSTD100016

Tgt Ion:105 Resp: 1101367

Ion Ratio Lower Upper

105 100

120 47.6 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 119.322 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU050518.D

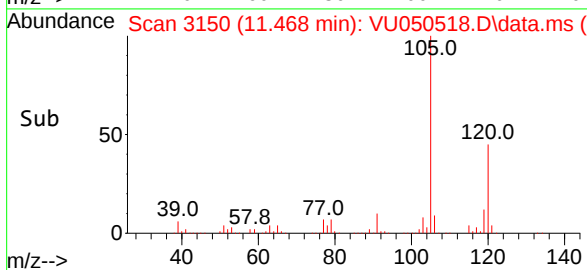
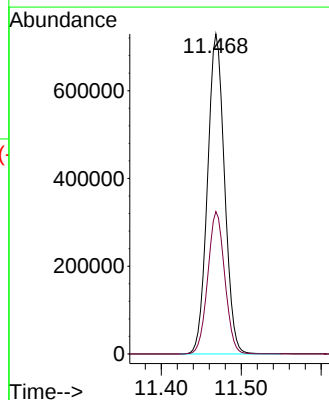
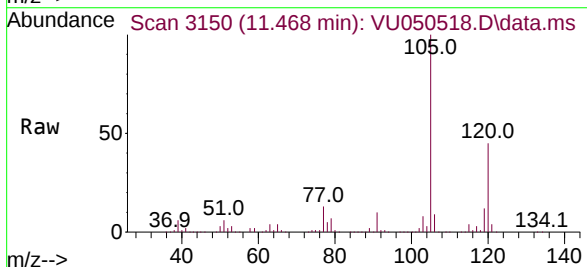
Acq: 30 Aug 2022 15:38

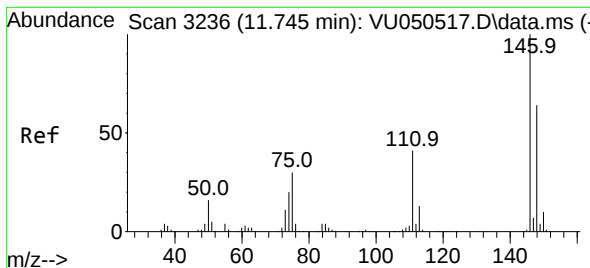
Tgt Ion:105 Resp: 1080045

Ion Ratio Lower Upper

105 100

120 44.4 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 105.447 ug/L

RT: 11.745 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD100016

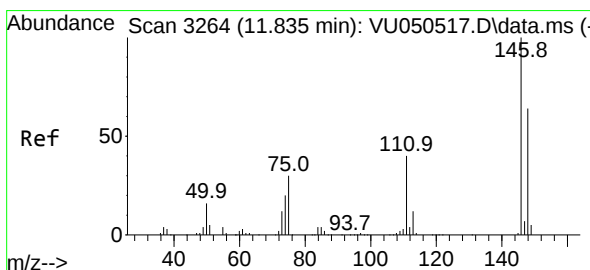
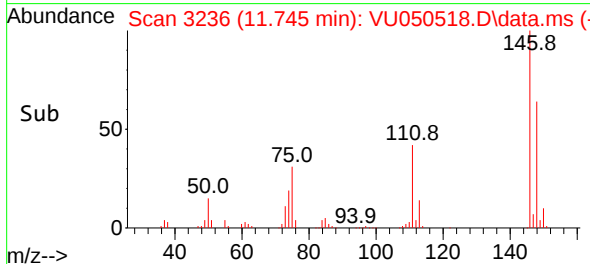
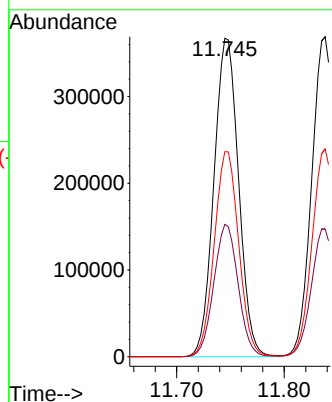
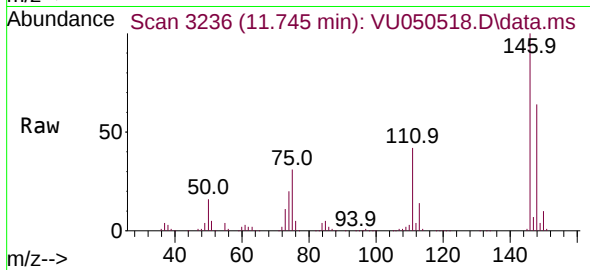
Tgt Ion:146 Resp: 585632

Ion Ratio Lower Upper

146 100

111 41.6 28.4 52.8

148 64.4 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 105.094 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.003 min

Lab File: VU050518.D

Acq: 30 Aug 2022 15:38

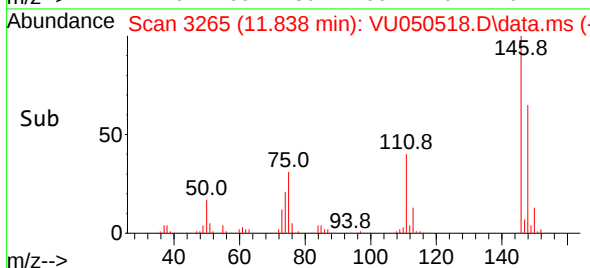
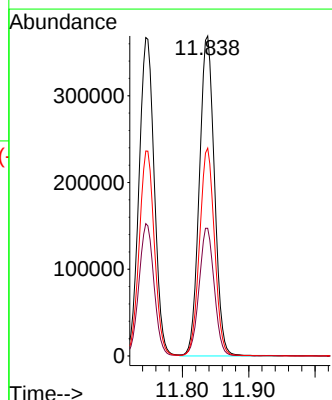
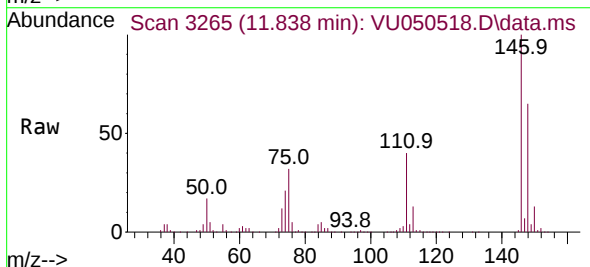
Tgt Ion:146 Resp: 585392

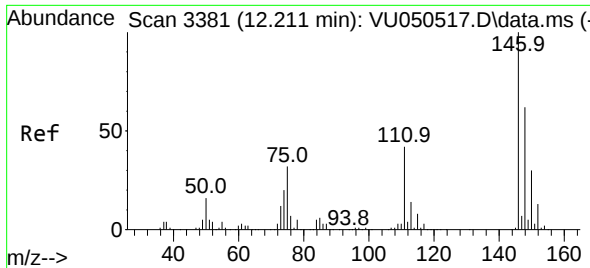
Ion Ratio Lower Upper

146 100

111 39.9 28.2 52.4

148 65.0 45.0 83.6

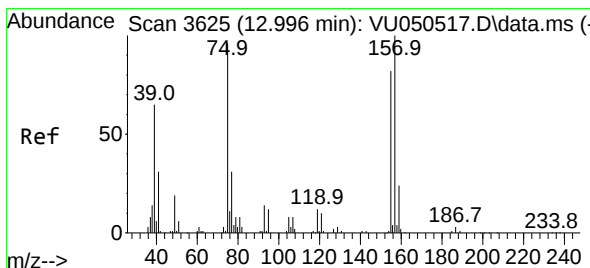
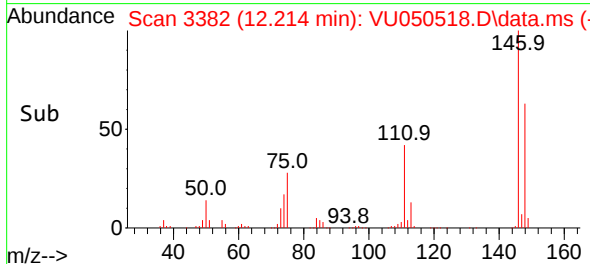
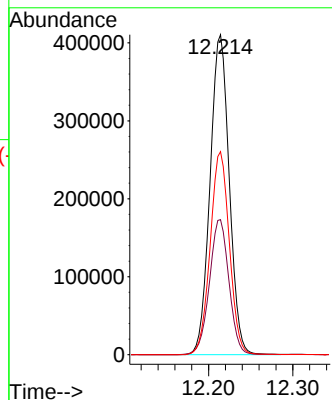
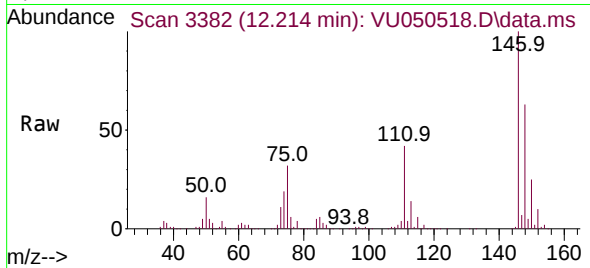




#67
1,2-Dichlorobenzene
Concen: 110.503 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

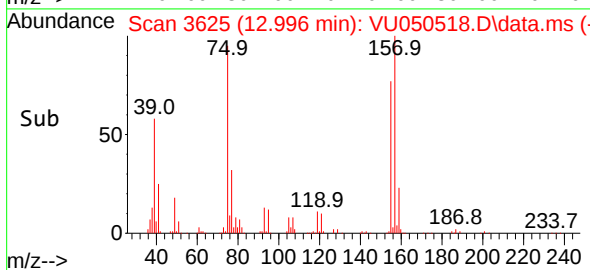
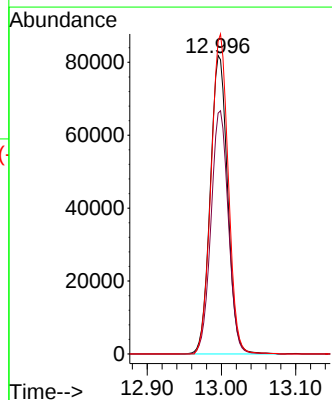
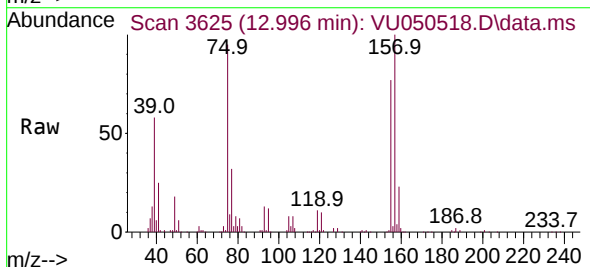
Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

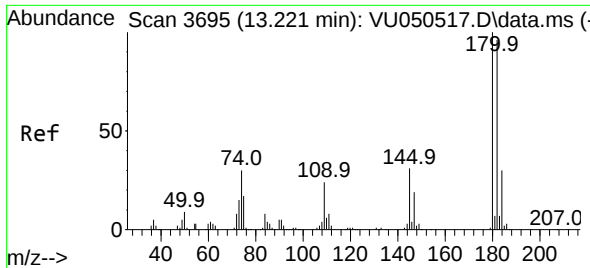
Tgt Ion:146 Resp: 648994
Ion Ratio Lower Upper
146 100
111 42.2 33.4 50.2
148 63.4 49.9 74.9



#68
1,2-Dibromo-3-chloropropane
Concen: 106.445 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

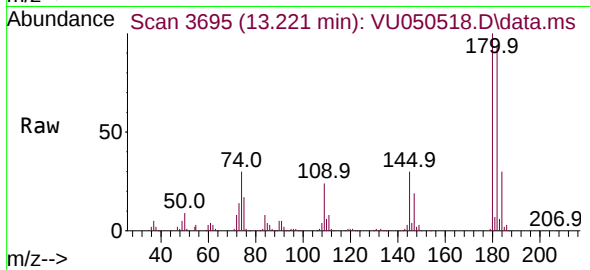
Tgt Ion: 75 Resp: 132687
Ion Ratio Lower Upper
75 100
155 80.7 71.4 107.2
157 104.8 83.2 124.8



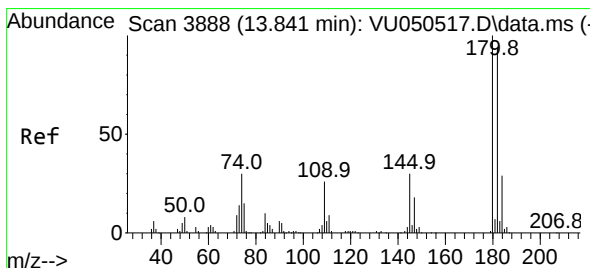
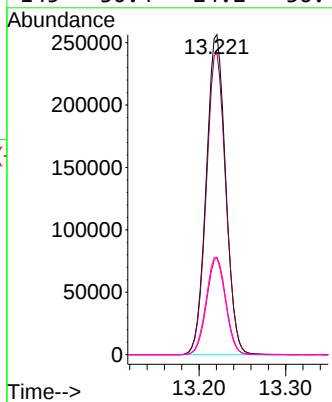
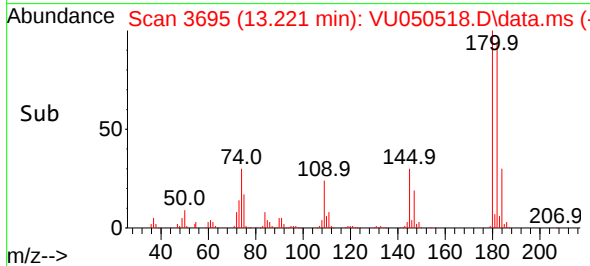


#69
 1,3,5-Trichlorobenzene
 Concen: 105.240 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU050518.D
 Acq: 30 Aug 2022 15:38

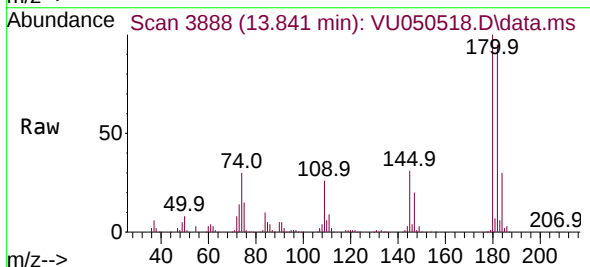
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100016



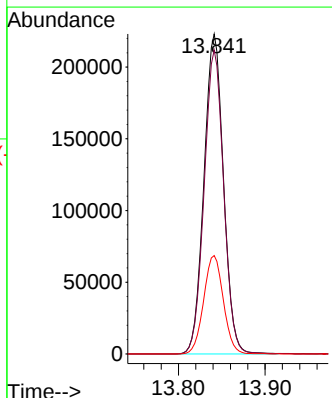
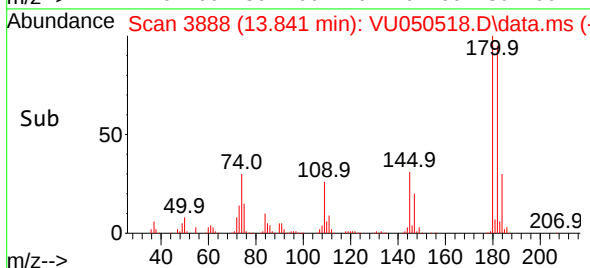
Tgt Ion:180 Resp: 399270
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 184 30.2 24.4 36.6
 145 30.4 24.2 36.4

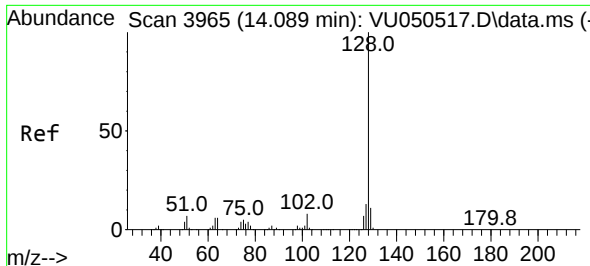


#70
 1,2,4-trichlorobenzene
 Concen: 114.513 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU050518.D
 Acq: 30 Aug 2022 15:38



Tgt Ion:180 Resp: 349295
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.6 115.0
 145 31.0 24.2 36.4

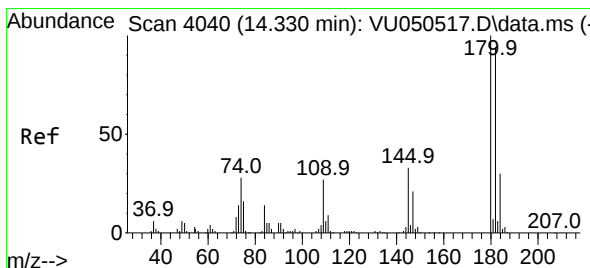
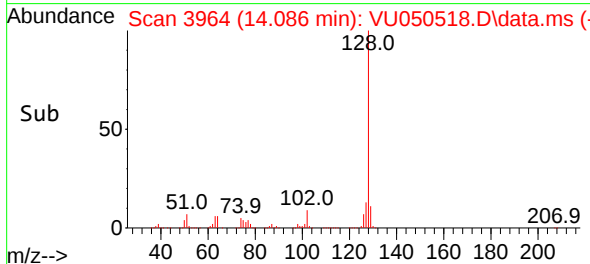
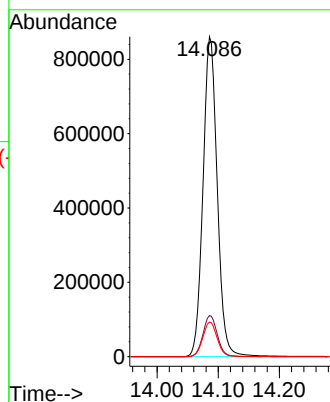
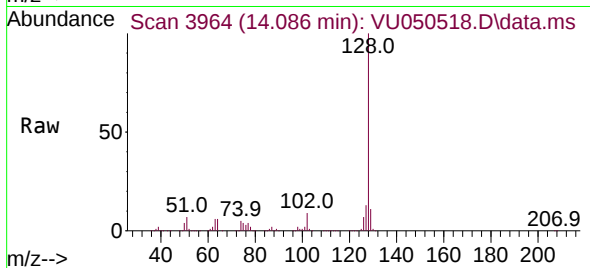




#71
Naphthalene
Concen: 134.620 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD100016

Tgt Ion:128 Resp: 1393032
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 115.000 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050518.D
Acq: 30 Aug 2022 15:38

Tgt Ion:180 Resp: 386945
Ion Ratio Lower Upper
180 100
182 95.9 76.0 114.0
145 32.6 26.2 39.2

