

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053214.D
 Acq On : 15 Mar 2023 20:34
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050160

Quant Time: Mar 16 04:04:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	168155	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	160490	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	87751	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	70074	45.170	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.340%		
7) Chloroethane-d5	1.912	69	56832	45.290	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.580%		
11) 1,1-Dichloroethene-d2	2.568	63	121985	45.392	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.780%		
21) 2-Butanone-d5	4.620	46	68623	95.374	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.370%		
24) Chloroform-d	5.057	84	119314	46.696	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.400%		
26) 1,2-Dichloroethane-d4	5.697	65	75006	47.268	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.540%		
32) Benzene-d6	5.722	84	246472	47.348	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.700%		
36) 1,2-Dichloropropane-d6	6.684	67	77916	46.377	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.760%		
41) Toluene-d8	7.893	98	222430	45.895	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.780%		
43) trans-1,3-Dichloroprop...	8.172	79	37913	45.738	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.480%		
47) 2-Hexanone-d5	8.626	63	51961	98.926	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.930%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	103609	47.606	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.220%		
66) 1,2-Dichlorobenzene-d4	12.188	152	76264	44.885	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.760%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	85334	48.618	ug/L	99
3) Chloromethane	1.520	50	78829	48.740	ug/L	99
5) Vinyl chloride	1.604	62	90021	50.882	ug/L	99
6) Bromomethane	1.858	94	48898	45.979	ug/L	97
8) Chloroethane	1.935	64	52411	50.151	ug/L	99
9) Trichlorofluoromethane	2.141	101	106941	48.445	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	62413	46.740	ug/L	96
12) 1,1-Dichloroethene	2.581	96	57924	46.905	ug/L	96
13) Acetone	2.632	43	46533	56.785	ug/L	98
14) Carbon disulfide	2.793	76	177813	47.539	ug/L	99
15) Methyl Acetate	2.948	43	55713	49.601	ug/L	97
16) Methylene chloride	3.044	84	70667	47.170	ug/L	99
17) trans-1,2-Dichloroethene	3.349	96	60359	48.172	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	214282	50.858	ug/L	99
19) 1,1-Dichloroethane	3.864	63	127170	49.720	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	84366	57.325	ug/L	98
22) 2-Butanone	4.700	43	77202	82.694	ug/L	99
23) Bromochloromethane	4.970	128	33651	47.954	ug/L	91
25) Chloroform	5.083	83	125734	49.125	ug/L	97

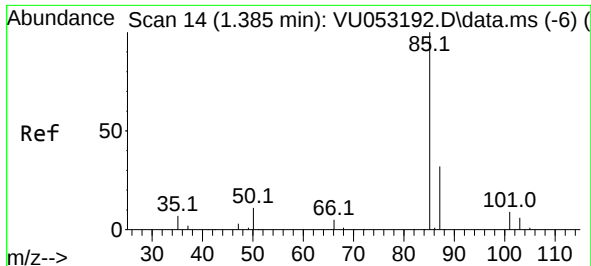
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
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 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:54:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	102270	50.618	ug/L	100
29) Cyclohexane	5.385	56	115289	48.210	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	106356	48.618	ug/L	99
31) Carbon tetrachloride	5.520	117	85731	47.836	ug/L	99
33) Benzene	5.771	78	282698	50.808	ug/L	100
34) Trichloroethene	6.536	95	82207	56.664	ug/L	98
35) Methylcyclohexane	6.758	83	119150	46.853	ug/L	99
37) 1,2-Dichloropropane	6.787	63	78602	50.634	ug/L	99
38) Bromodichloromethane	7.099	83	95383	49.374	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	123787	48.536	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	158361	99.250	ug/L	99
42) Toluene	7.963	91	293887	49.130	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	114887	49.279	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	71063	50.274	ug/L	97
46) Tetrachloroethene	8.549	164	44199	46.827	ug/L	97
48) 2-Hexanone	8.677	43	119804	89.666	ug/L	100
49) Dibromochloromethane	8.803	129	70229	48.570	ug/L	99
50) 1,2-Dibromoethane	8.918	107	75068	49.841	ug/L	98
51) Chlorobenzene	9.443	112	184787	49.565	ug/L	99
52) Ethylbenzene	9.565	91	336113	49.549	ug/L	100
53) m,p-Xylene	9.690	106	126270	49.873	ug/L	99
54) o-Xylene	10.095	106	123045	49.137	ug/L	99
55) Styrene	10.108	104	208595	49.981	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	114998	49.622	ug/L	97
59) Bromoform	10.285	173	47387	47.453	ug/L	97
60) 1,2,3-Trichloropropane	10.815	75	85264	48.898	ug/L	99
61) Isopropylbenzene	10.478	105	329237	47.486	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	270440	47.123	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	262443	46.914	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	136896	47.079	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	136911	46.902	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	137775	47.406	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	23363	48.453	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	84940	46.074	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	79865	48.214	ug/L	99
71) Naphthalene	14.082	128	283042	50.695	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	78293	49.840	ug/L	98

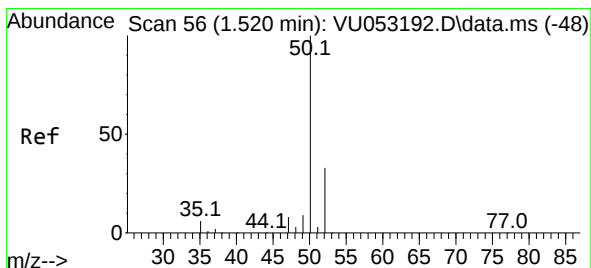
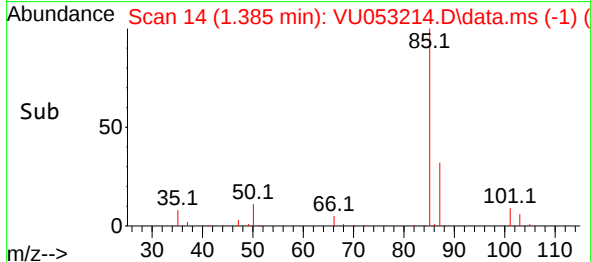
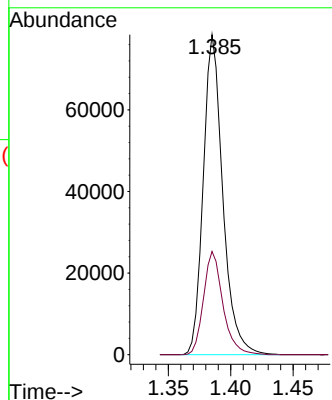
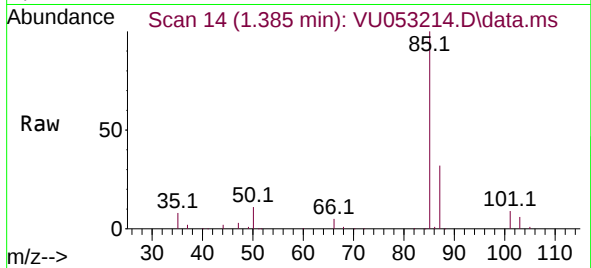
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#2
Dichlorodifluoromethane
Concen: 48.618 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

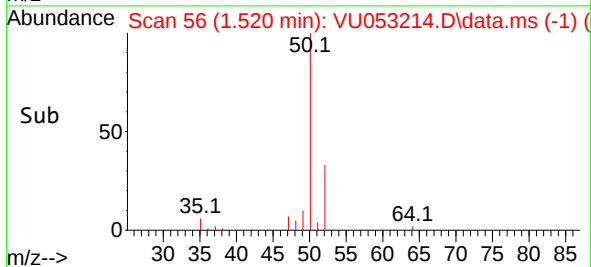
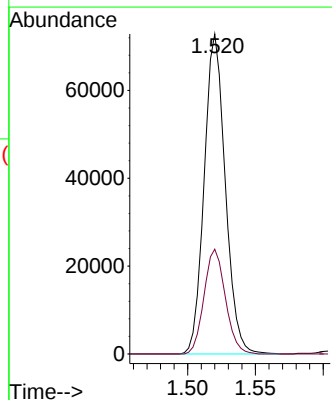
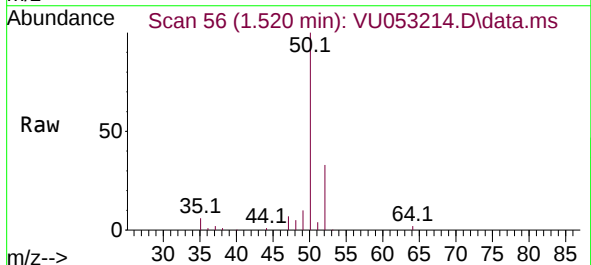
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

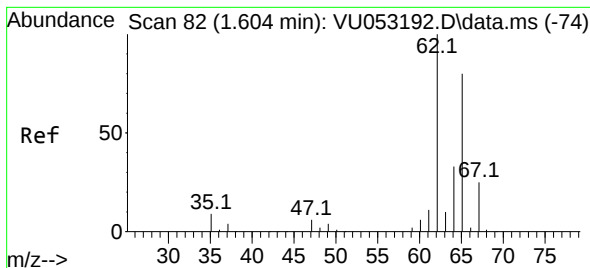
Tgt Ion: 85 Resp: 85334
Ion Ratio Lower Upper
85 100
87 31.9 25.8 38.8



#3
Chloromethane
Concen: 48.740 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 50 Resp: 78829
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.4





#5

Vinyl chloride

Concen: 50.882 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

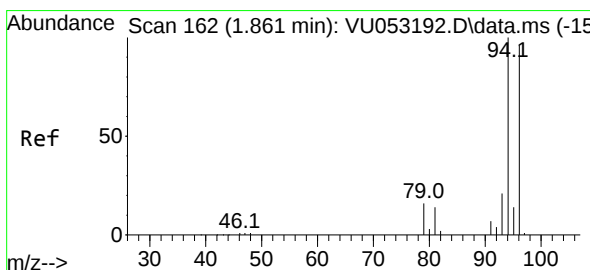
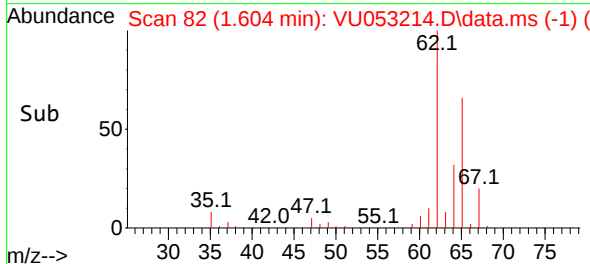
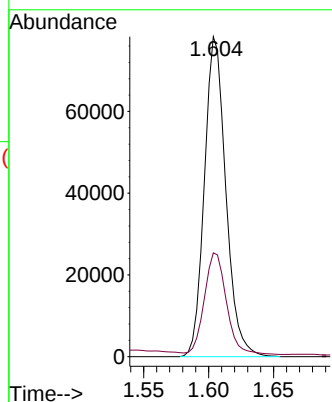
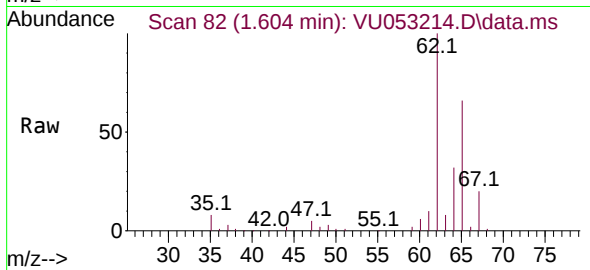
VSTD050160

Tgt Ion: 62 Resp: 90021

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.0



#6

Bromomethane

Concen: 45.979 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.003 min

Lab File: VU053214.D

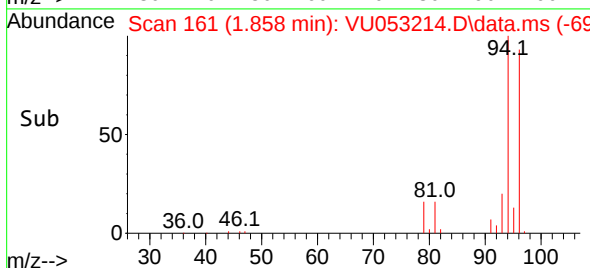
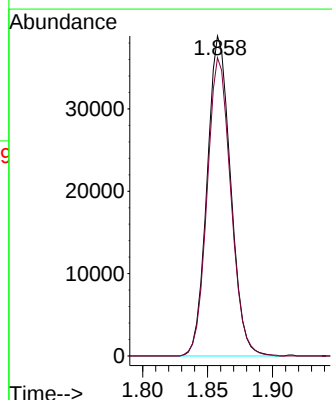
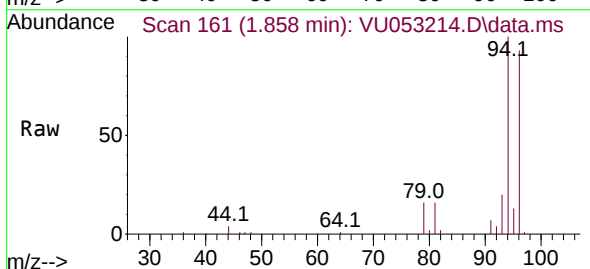
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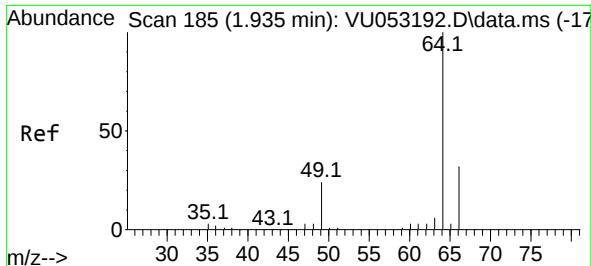
Tgt Ion: 94 Resp: 48898

Ion Ratio Lower Upper

94 100

96 93.2 67.5 125.3

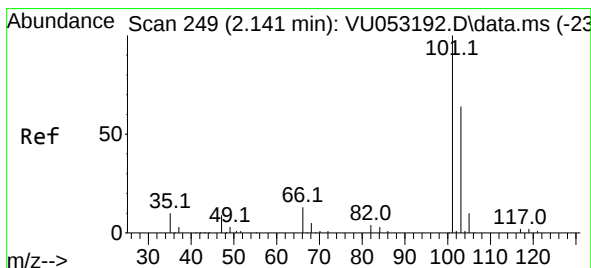
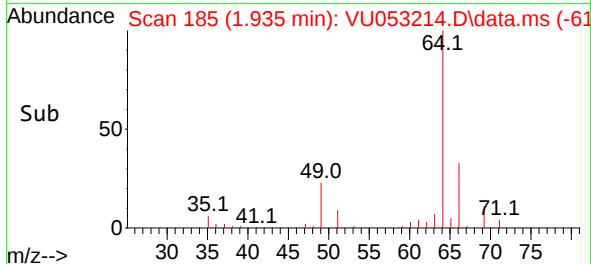
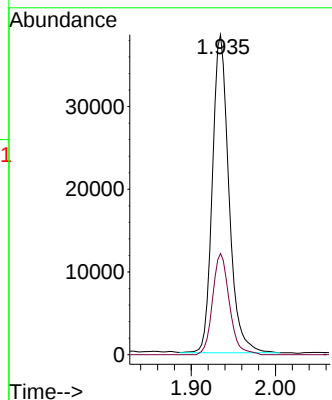
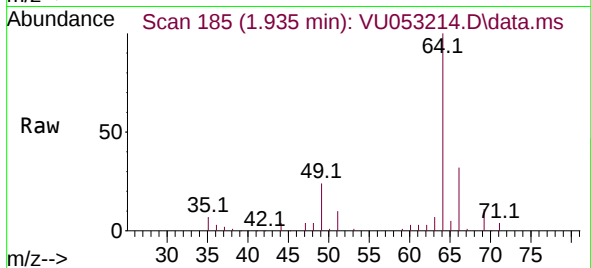




#8
Chloroethane
Concen: 50.151 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

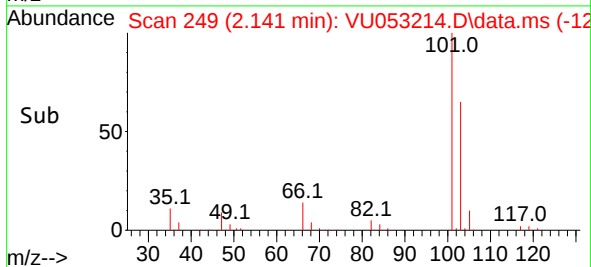
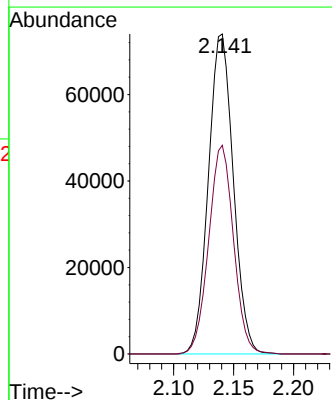
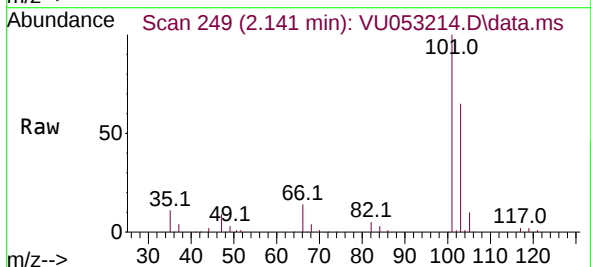
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

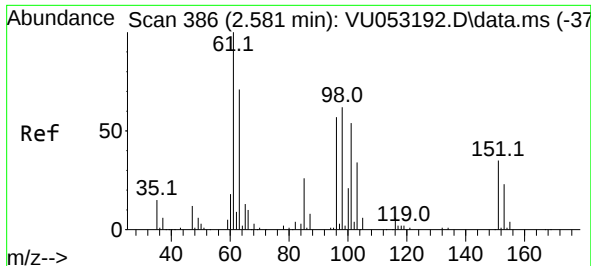
Tgt Ion: 64 Resp: 52411
Ion Ratio Lower Upper
64 100
66 31.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 48.445 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion:101 Resp: 106941
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

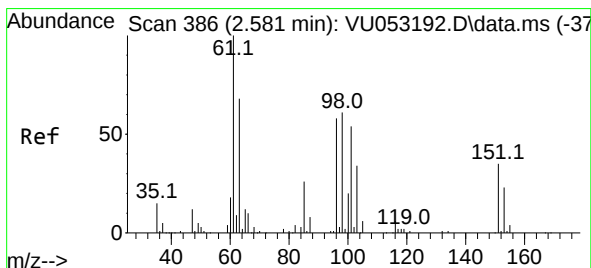
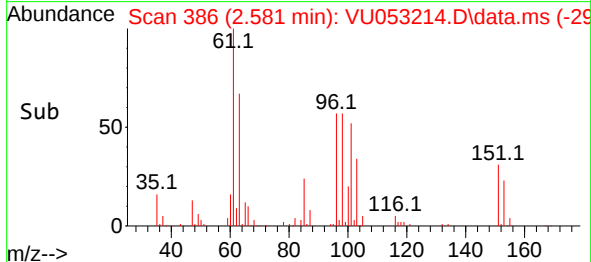
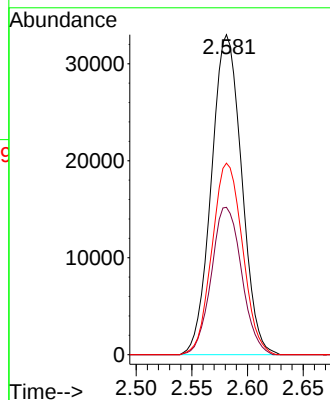
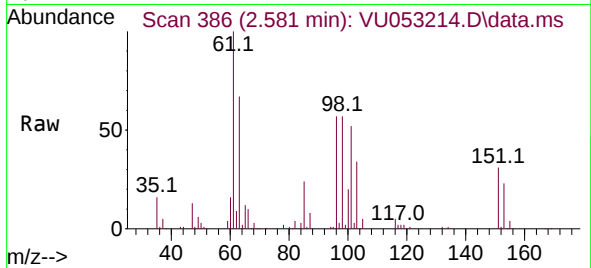




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.740 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053214.D
 Acq: 15 Mar 2023 20:34

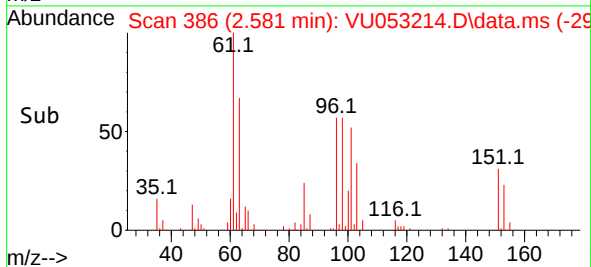
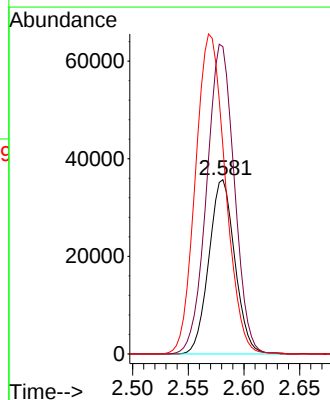
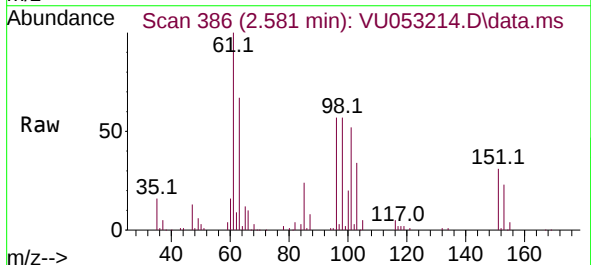
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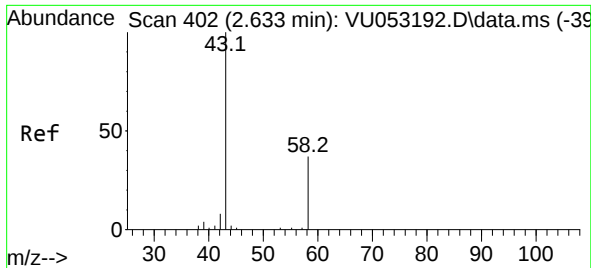
Tgt Ion:101 Resp: 62413
 Ion Ratio Lower Upper
 101 100
 85 46.2 37.0 55.6
 151 60.4 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 46.905 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053214.D
 Acq: 15 Mar 2023 20:34

Tgt Ion: 96 Resp: 57924
 Ion Ratio Lower Upper
 96 100
 61 176.3 122.2 226.9
 63 118.9 89.9 166.9





#13

Acetone

Concen: 56.785 ug/L

RT: 2.632 min Scan# 402

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

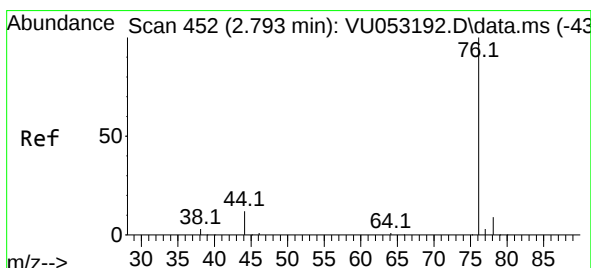
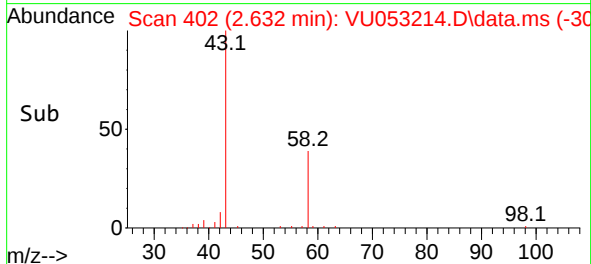
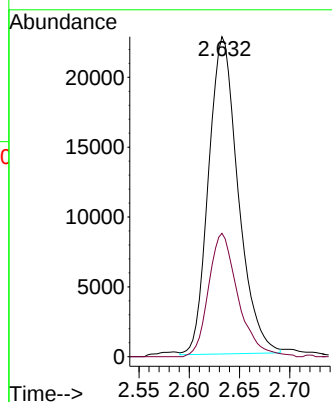
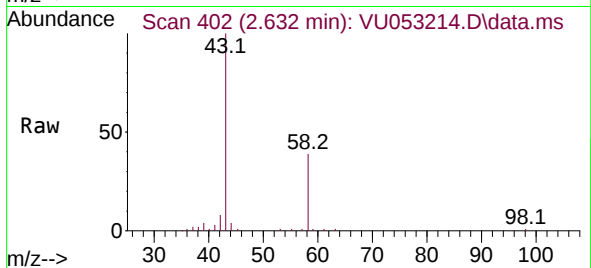
VSTD050160

Tgt Ion: 43 Resp: 46533

Ion Ratio Lower Upper

43 100

58 38.8 0.0 75.0



#14

Carbon disulfide

Concen: 47.539 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU053214.D

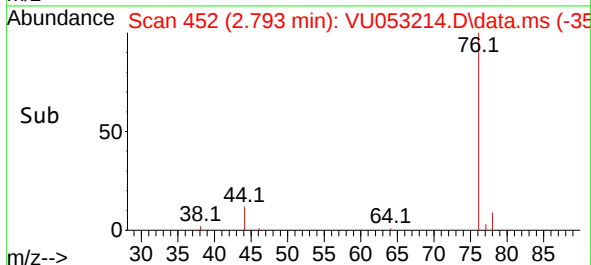
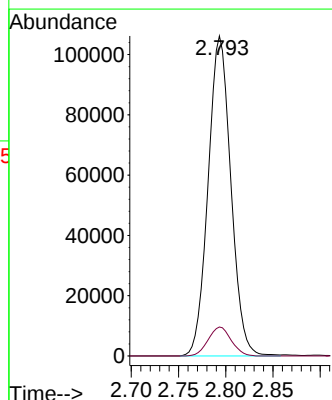
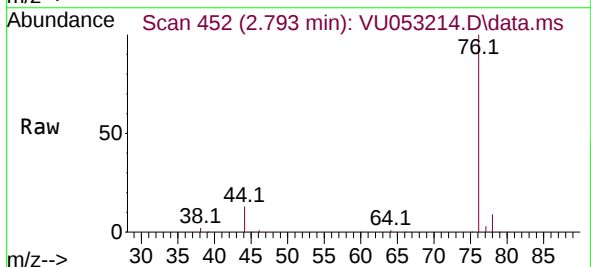
Acq: 15 Mar 2023 20:34

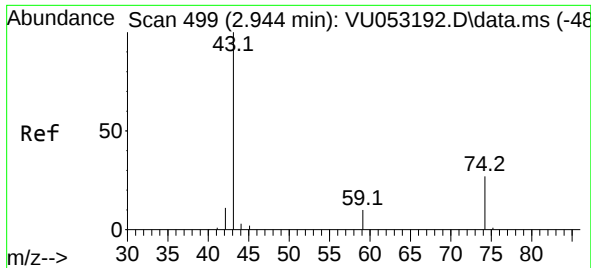
Tgt Ion: 76 Resp: 177813

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

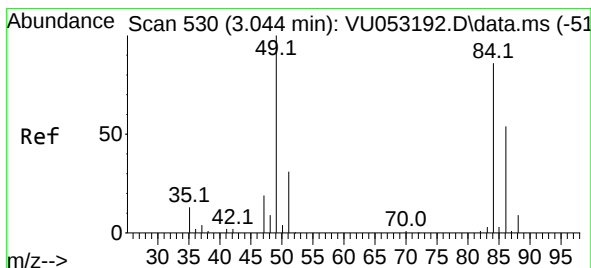
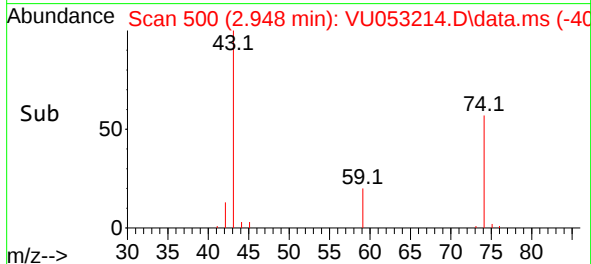
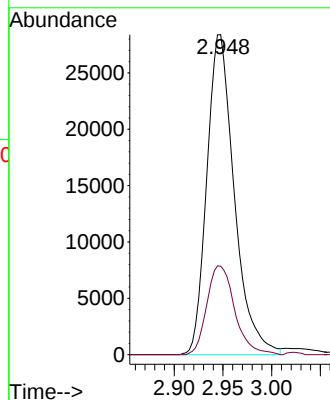
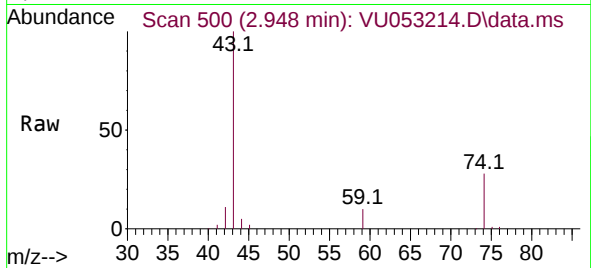




#15
Methyl Acetate
Concen: 49.601 ug/L
RT: 2.948 min Scan# 50
Delta R.T. 0.003 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

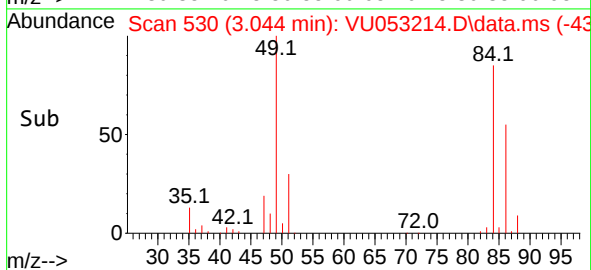
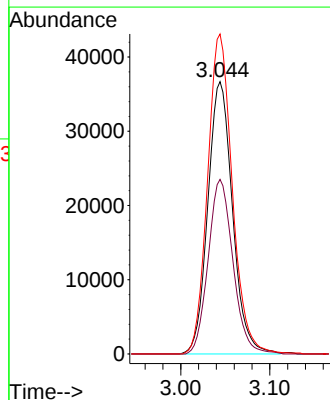
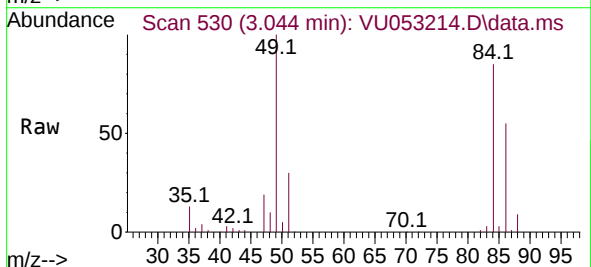
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

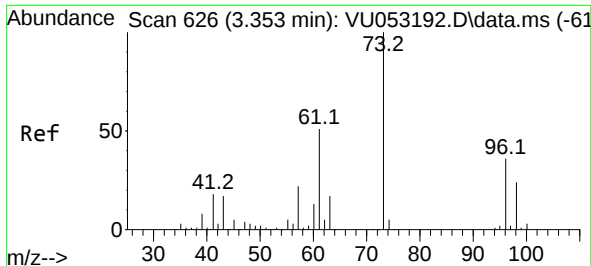
Tgt Ion: 43 Resp: 55713
Ion Ratio Lower Upper
43 100
74 28.1 21.4 32.0



#16
Methylene chloride
Concen: 47.170 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 84 Resp: 70667
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.4
49 117.5 81.6 151.6

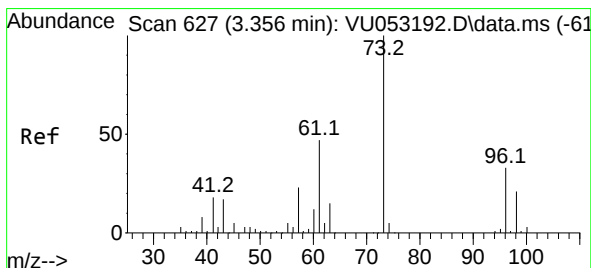
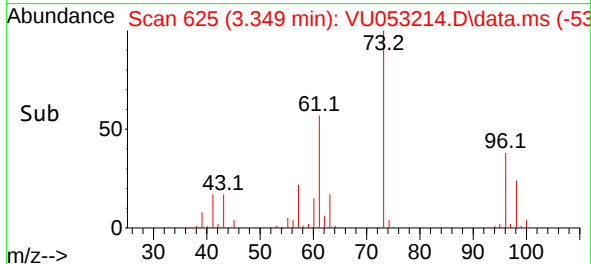
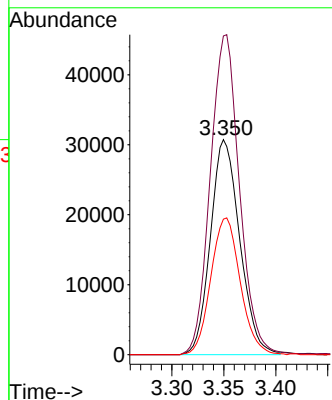
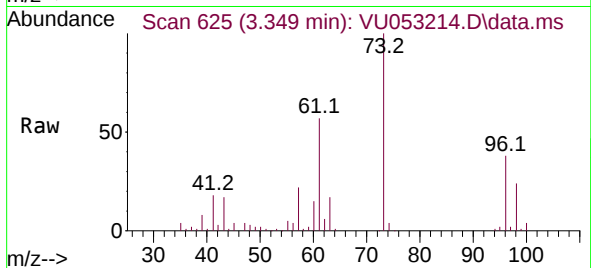




#17
trans-1,2-Dichloroethene
Concen: 48.172 ug/L
RT: 3.349 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

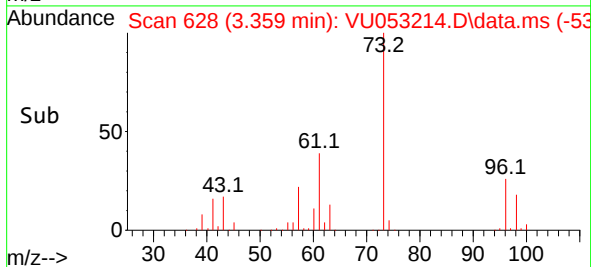
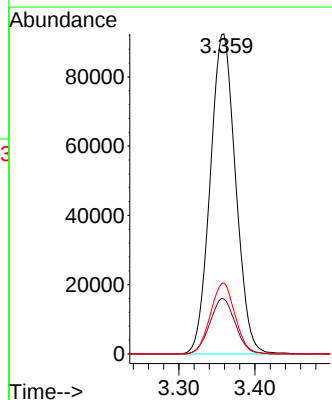
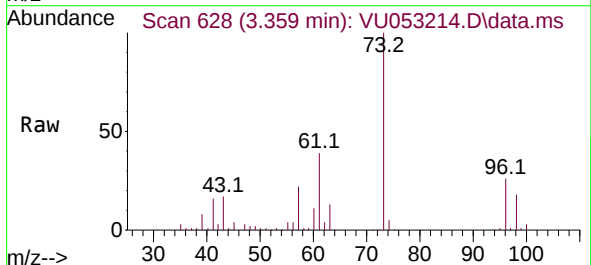
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

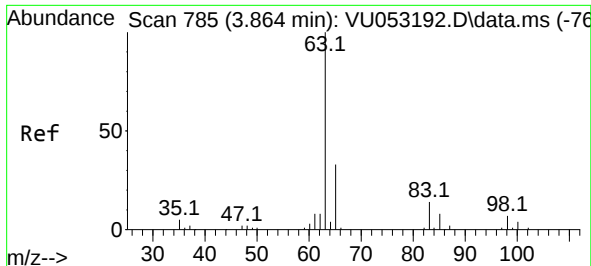
Tgt Ion: 96 Resp: 60359
Ion Ratio Lower Upper
96 100
61 148.2 99.6 185.0
98 63.0 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 50.858 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 73 Resp: 214282
Ion Ratio Lower Upper
73 100
43 17.4 14.2 21.2
57 21.6 18.0 27.0





#19

1,1-Dichloroethane

Concen: 49.720 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

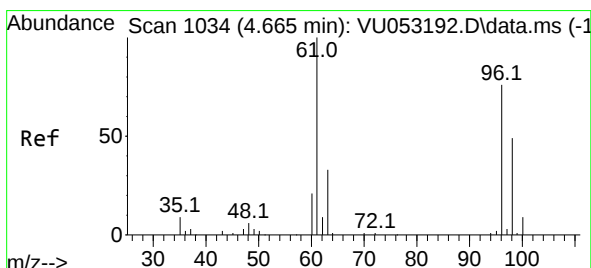
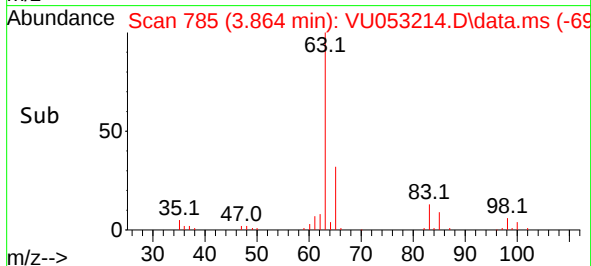
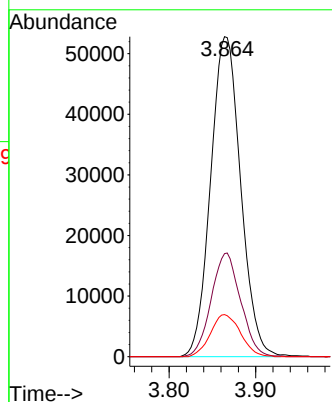
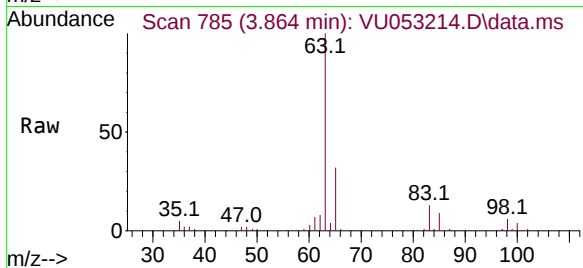
Tgt Ion: 63 Resp: 127170

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.1 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 57.325 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

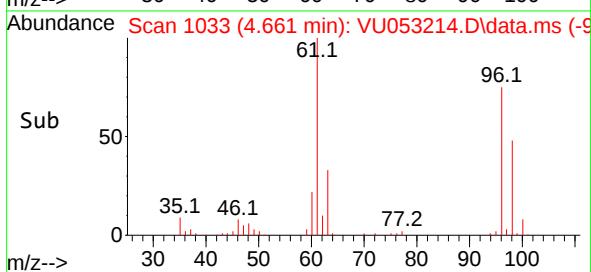
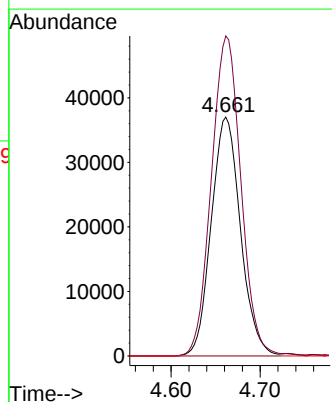
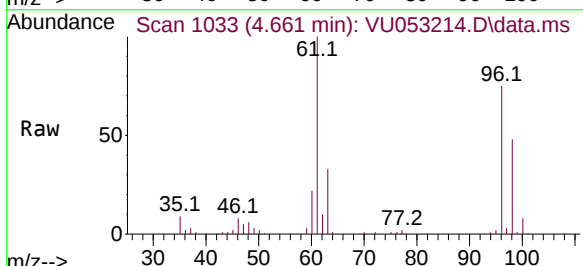
Tgt Ion: 96 Resp: 84366

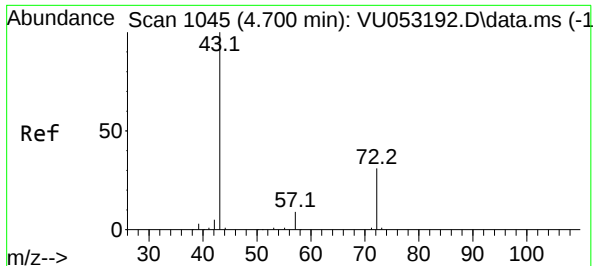
Ion Ratio Lower Upper

96 100

61 133.9 92.5 171.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 82.694 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

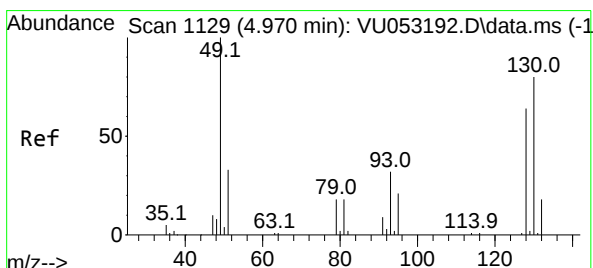
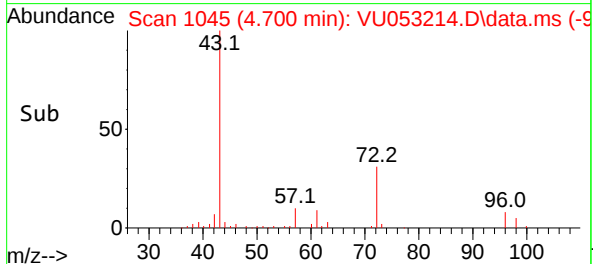
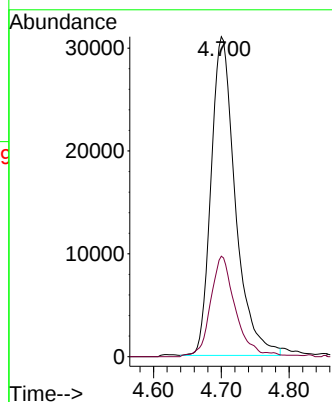
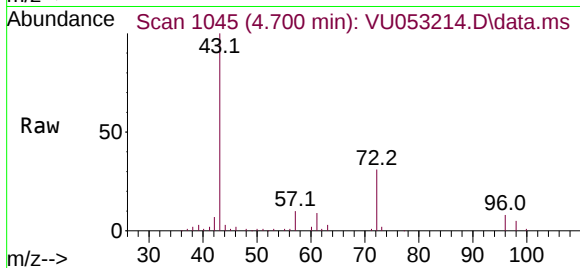
VSTD050160

Tgt Ion: 43 Resp: 77202

Ion Ratio Lower Upper

43 100

72 31.6 16.0 47.9



#23

Bromochloromethane

Concen: 47.954 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Tgt Ion:128 Resp: 33651

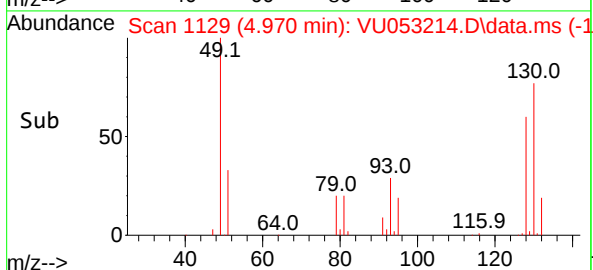
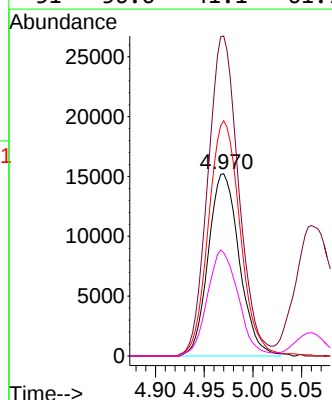
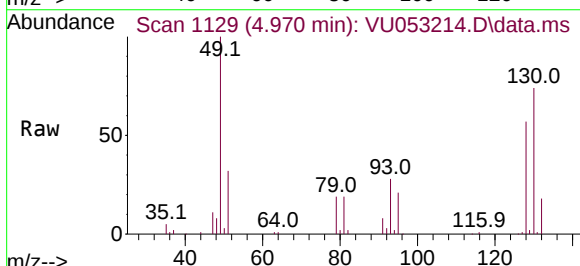
Ion Ratio Lower Upper

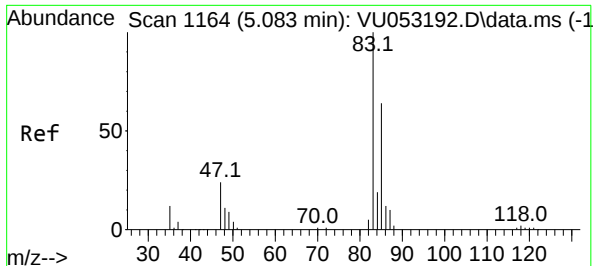
128 100

49 175.6 109.9 204.1

130 129.1 87.2 161.9

51 56.6 41.1 61.7





#25

Chloroform

Concen: 49.125 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

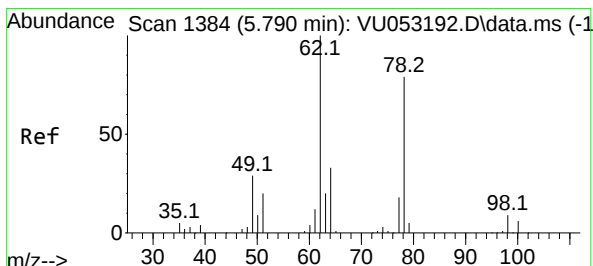
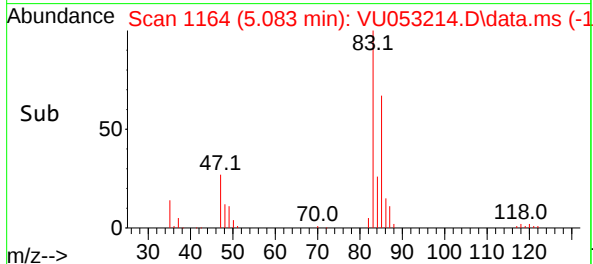
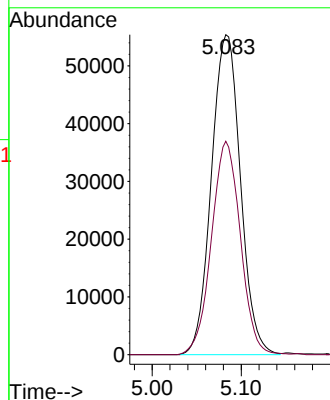
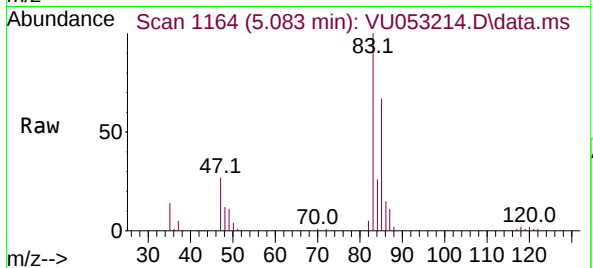
VSTD050160

Tgt Ion: 83 Resp: 125734

Ion Ratio Lower Upper

83 100

85 66.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 50.618 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053214.D

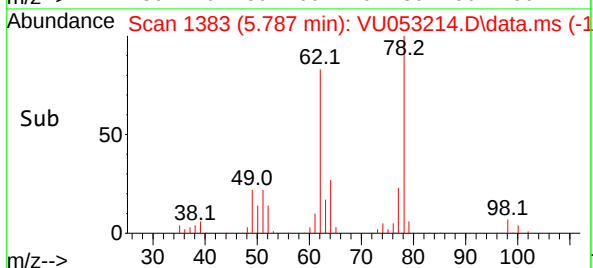
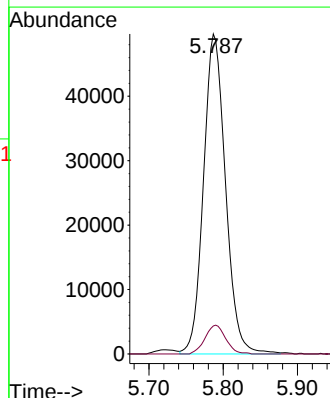
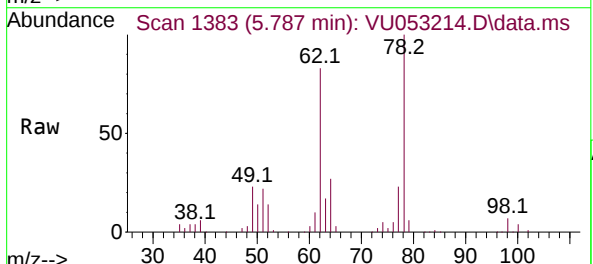
Acq: 15 Mar 2023 20:34

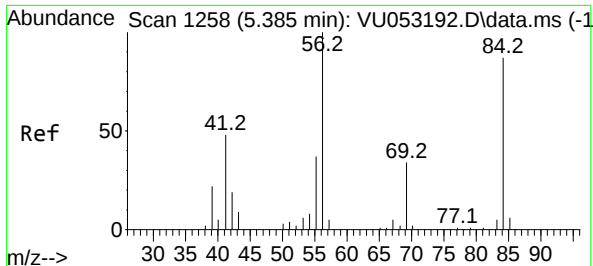
Tgt Ion: 62 Resp: 102270

Ion Ratio Lower Upper

62 100

98 8.7 7.0 10.6





#29

Cyclohexane

Concen: 48.210 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

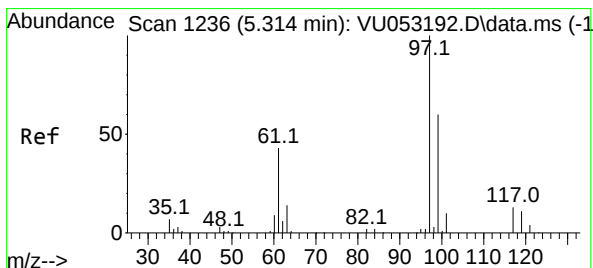
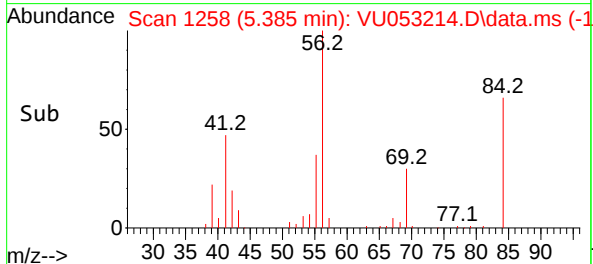
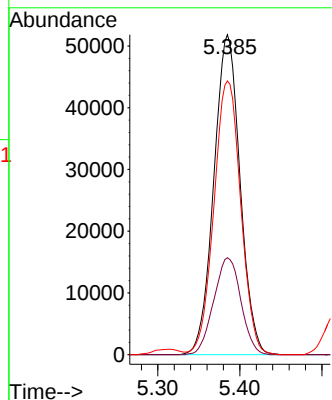
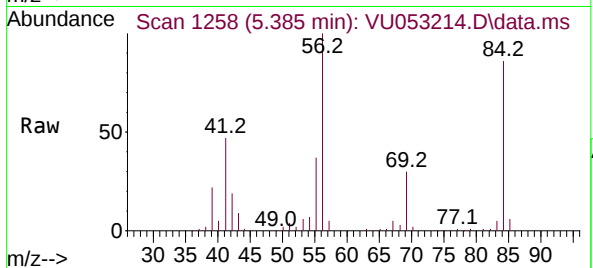
Tgt Ion: 56 Resp: 115289

Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.0

84 87.5 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 48.618 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

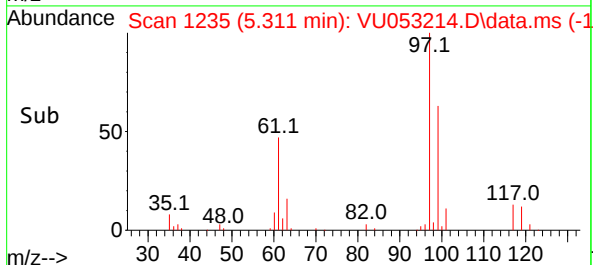
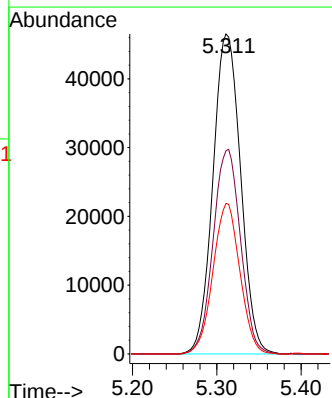
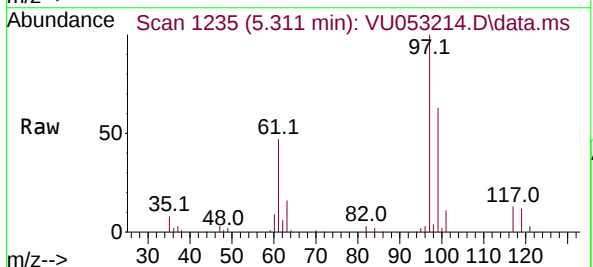
Tgt Ion: 97 Resp: 106356

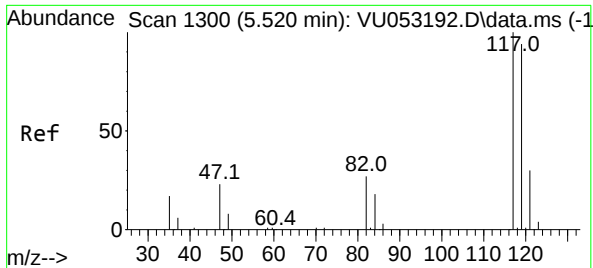
Ion Ratio Lower Upper

97 100

99 63.2 50.6 76.0

61 45.7 36.0 54.0

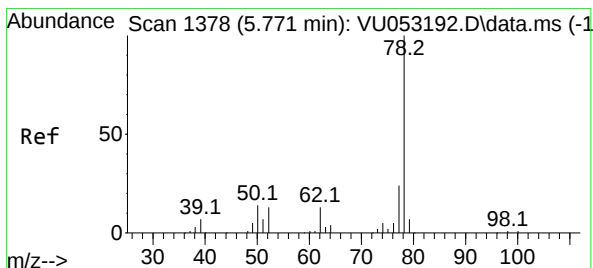
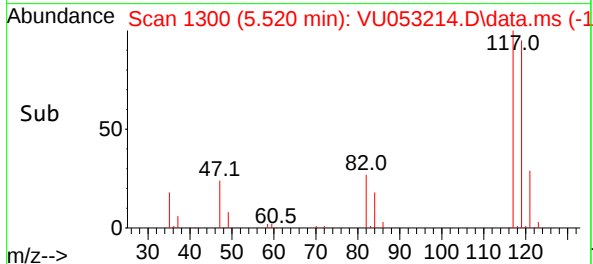
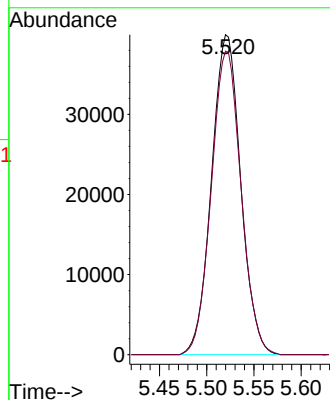
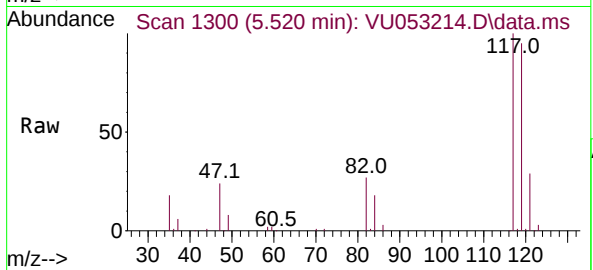




#31
Carbon tetrachloride
Concen: 47.836 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

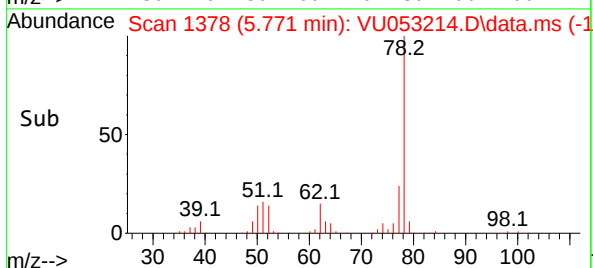
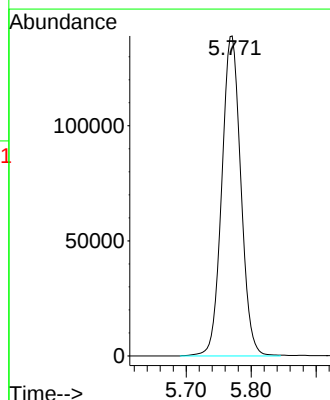
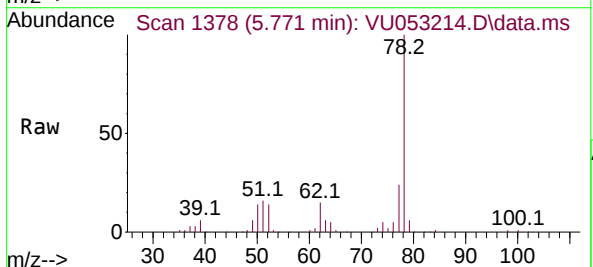
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

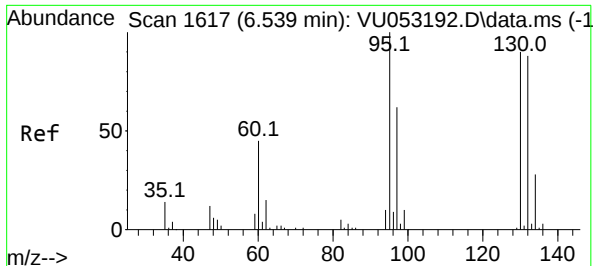
Tgt Ion:117 Resp: 85731
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.2



#33
Benzene
Concen: 50.808 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 78 Resp: 282698



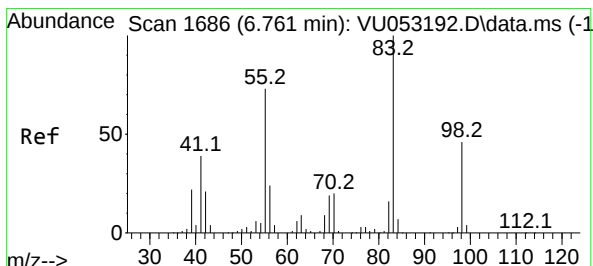
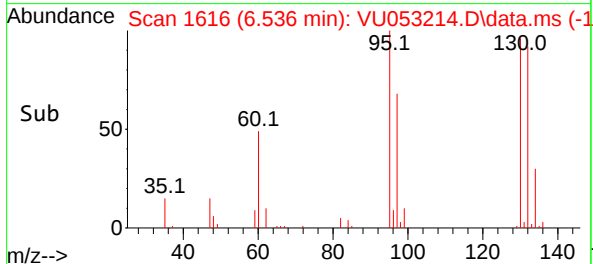
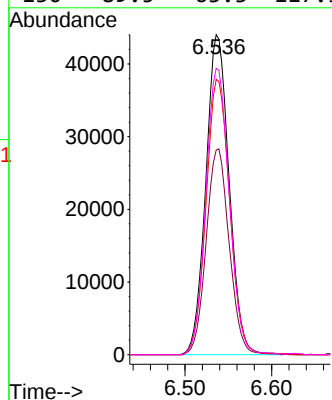
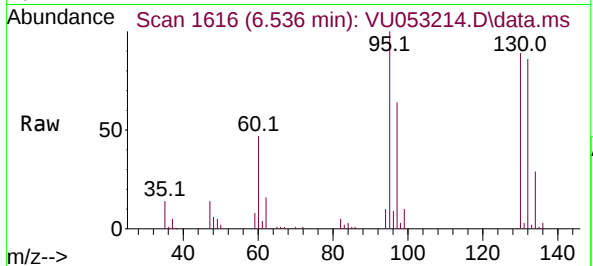


#34
Trichloroethene
Concen: 56.664 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

Tgt Ion: 95 Resp: 82207

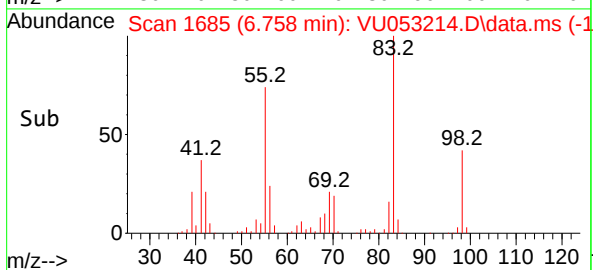
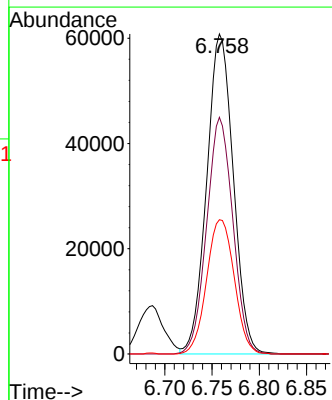
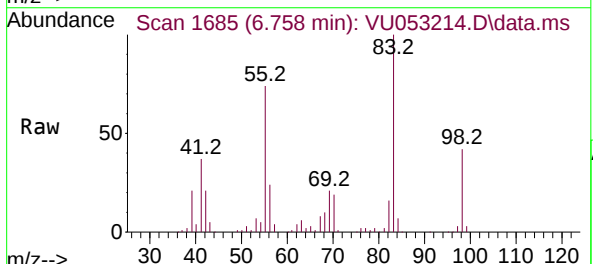
Ion	Ratio	Lower	Upper
95	100		
97	64.0	43.8	81.3
132	86.0	61.5	114.3
130	89.5	63.3	117.5

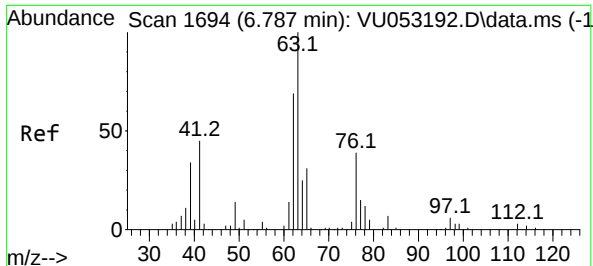


#35
Methylcyclohexane
Concen: 46.853 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 83 Resp: 119150

Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.2	87.4
98	43.5	35.4	53.2

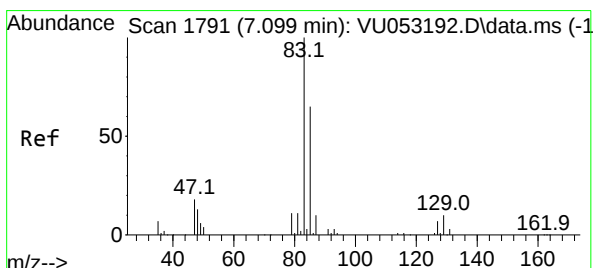
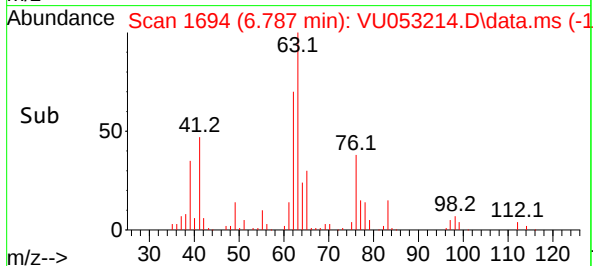
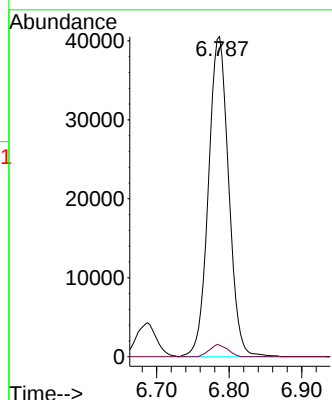
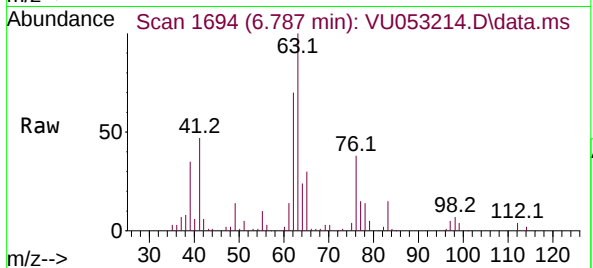




#37
1,2-Dichloropropane
Concen: 50.634 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

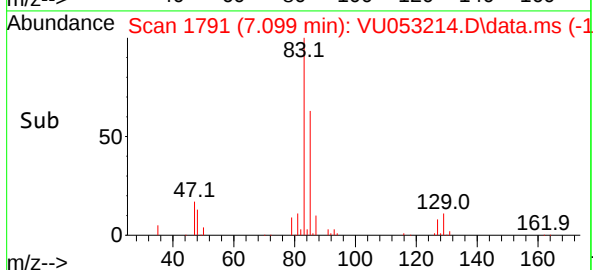
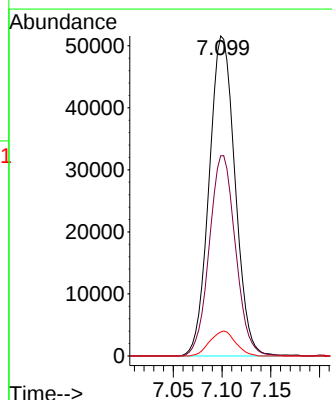
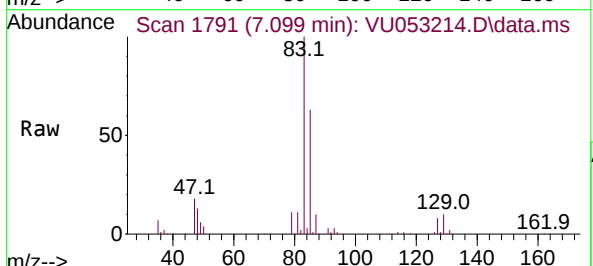
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

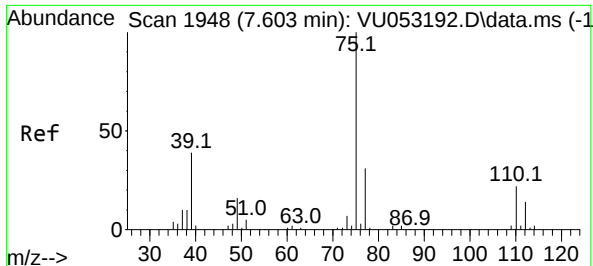
Tgt Ion: 63 Resp: 78602
Ion Ratio Lower Upper
63 100
112 3.4 2.6 3.8



#38
Bromodichloromethane
Concen: 49.374 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 83 Resp: 95383
Ion Ratio Lower Upper
83 100
85 62.5 45.4 84.2
127 7.5 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 48.536 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

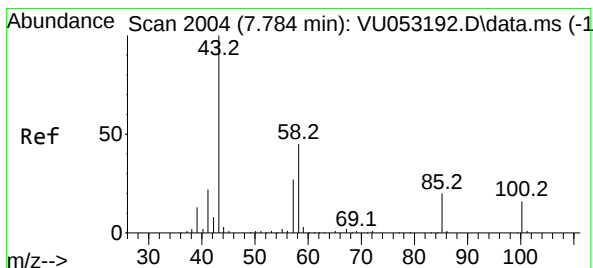
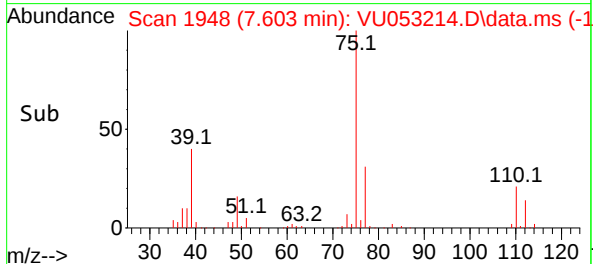
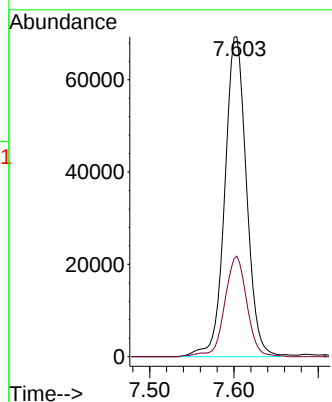
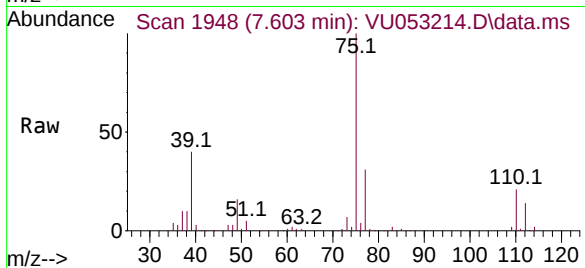
VSTD050160

Tgt Ion: 75 Resp: 123787

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 99.250 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

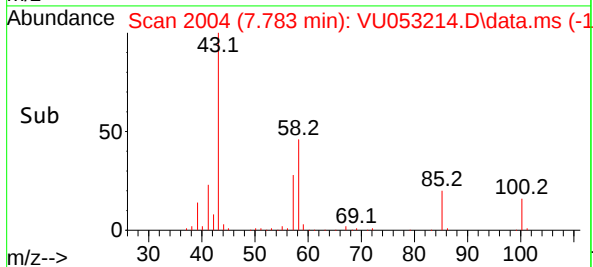
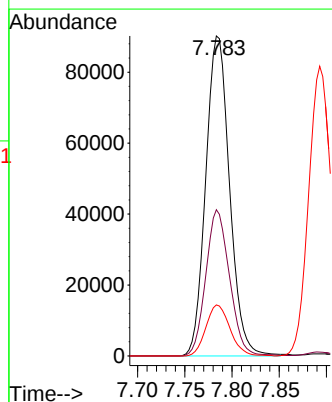
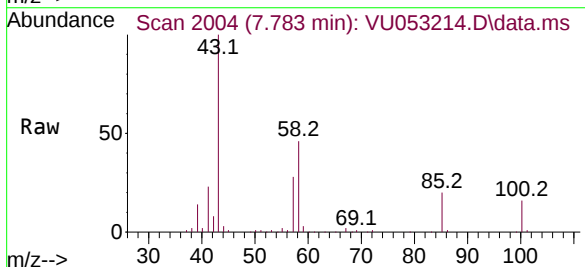
Tgt Ion: 43 Resp: 158361

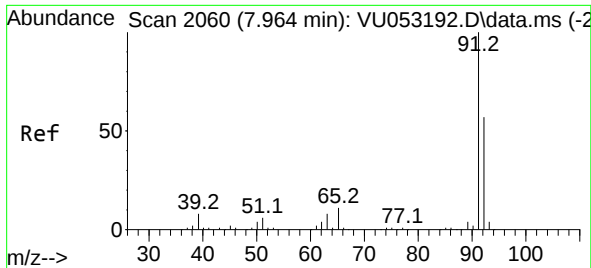
Ion Ratio Lower Upper

43 100

58 45.5 35.8 53.6

100 16.1 13.0 19.6





#42

Toluene

Concen: 49.130 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

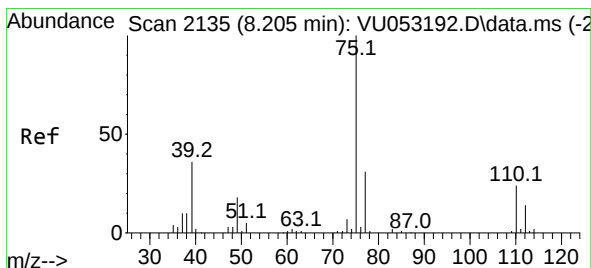
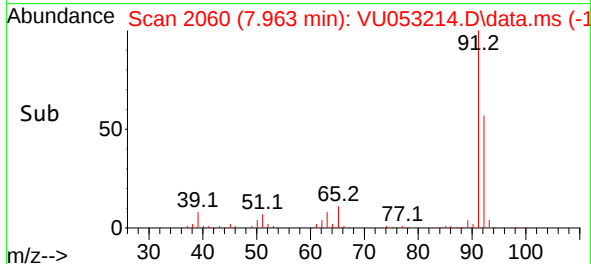
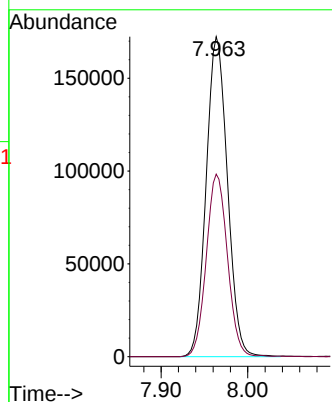
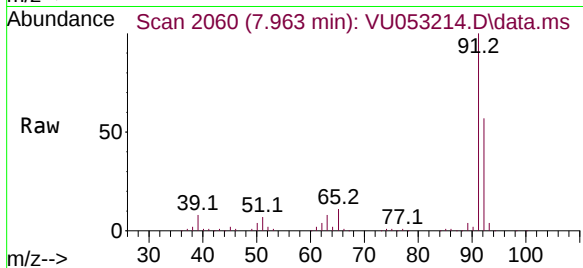
VSTD050160

Tgt Ion: 91 Resp: 293887

Ion Ratio Lower Upper

91 100

92 57.0 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 49.279 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053214.D

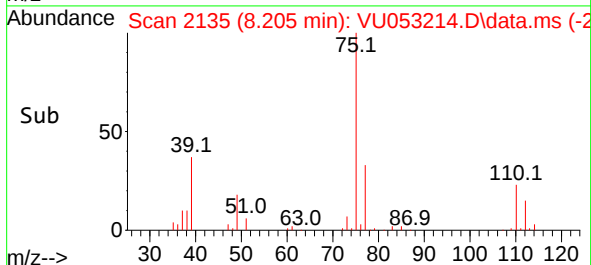
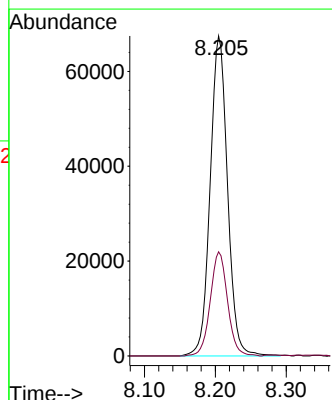
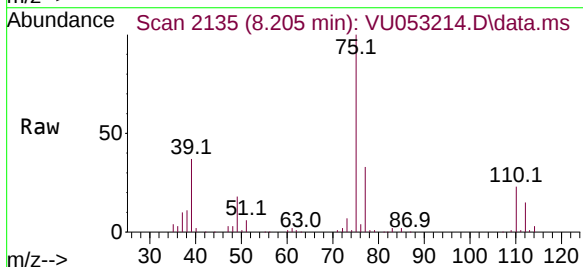
Acq: 15 Mar 2023 20:34

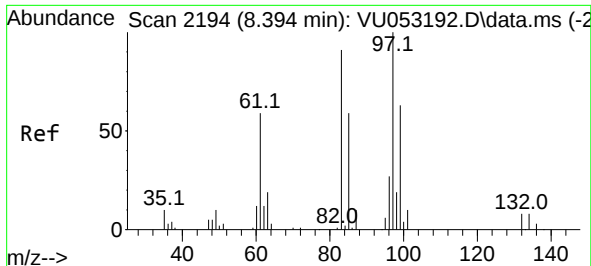
Tgt Ion: 75 Resp: 114887

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8

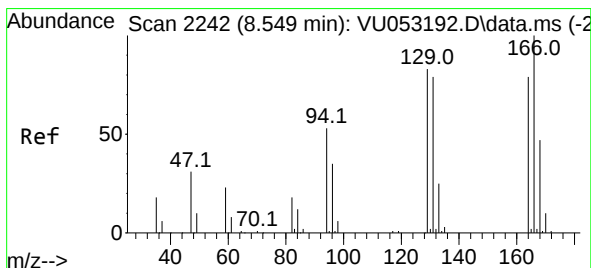
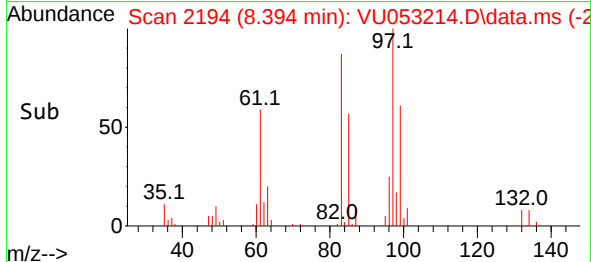
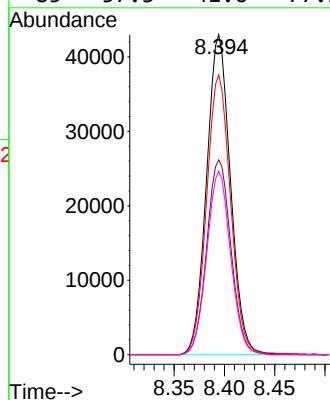
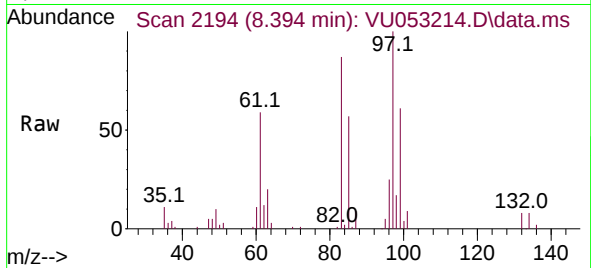




#45
1,1,2-Trichloroethane
Concen: 50.274 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

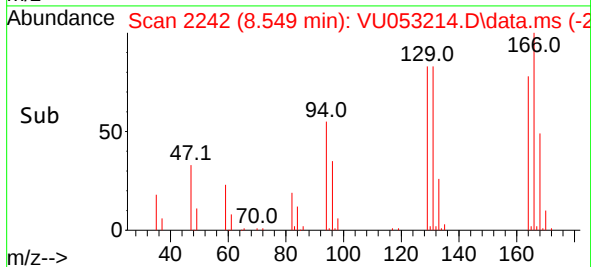
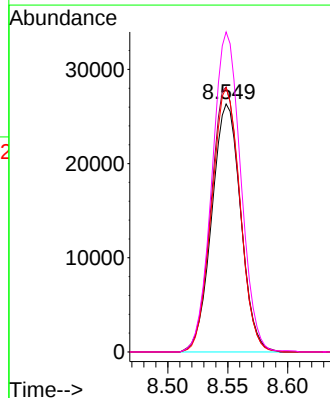
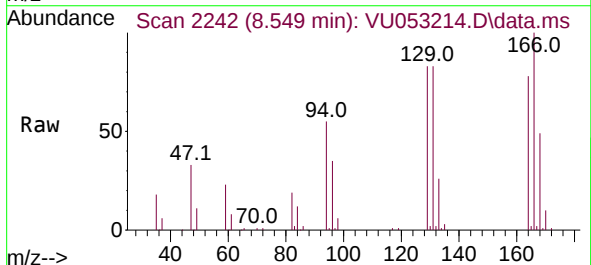
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

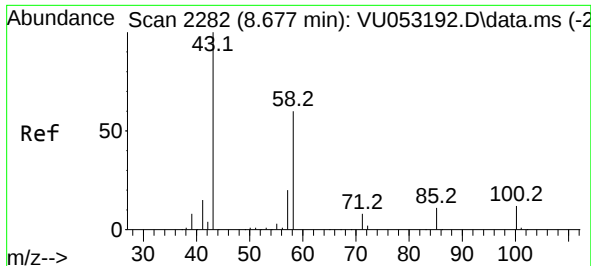
Tgt Ion:	97	Resp:	71063
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.4	82.4
83	87.4	63.8	118.6
85	57.3	41.6	77.2



#46
Tetrachloroethene
Concen: 46.827 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion:	164	Resp:	44199
Ion	Ratio	Lower	Upper
164	100		
129	106.8	73.6	136.8
131	106.5	70.3	130.7
166	129.0	88.9	165.1





#48

2-Hexanone

Concen: 89.666 ug/L

RT: 8.677 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

Tgt Ion: 43 Resp: 119804

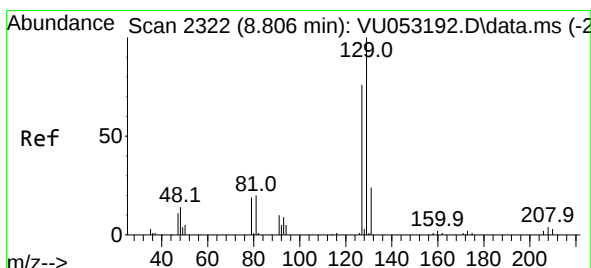
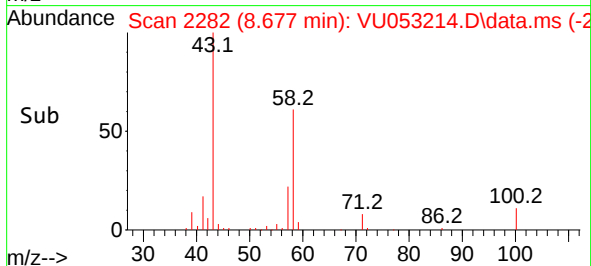
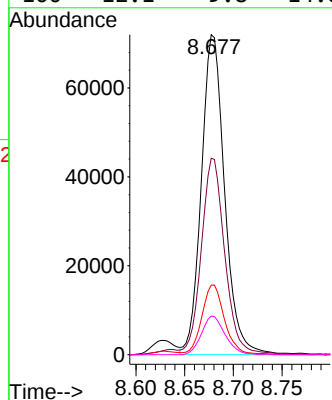
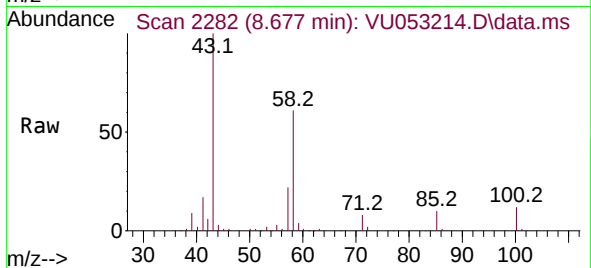
Ion Ratio Lower Upper

43 100

58 61.9 49.4 74.0

57 20.5 16.9 25.3

100 12.1 9.8 14.8



#49

Dibromochloromethane

Concen: 48.570 ug/L

RT: 8.803 min Scan# 2321

Delta R.T. -0.003 min

Lab File: VU053214.D

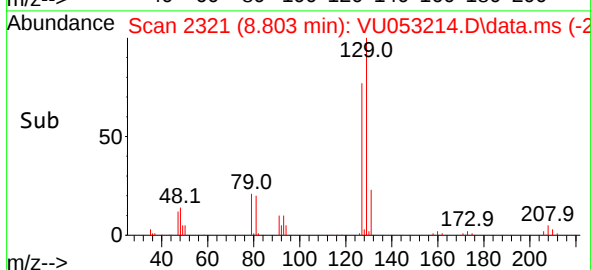
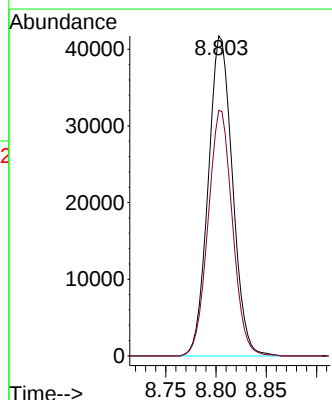
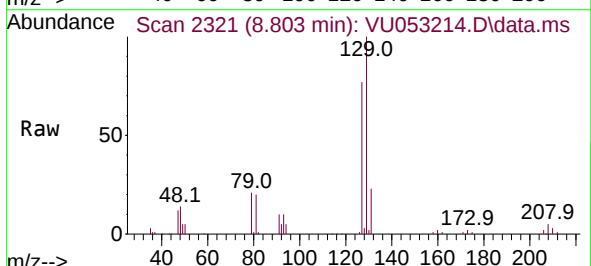
Acq: 15 Mar 2023 20:34

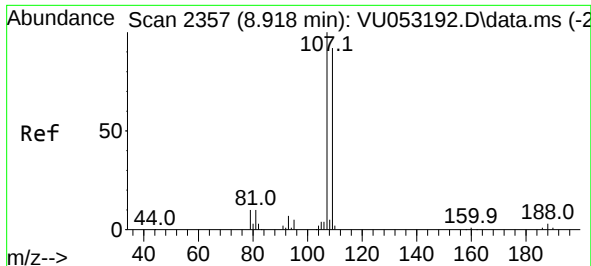
Tgt Ion:129 Resp: 70229

Ion Ratio Lower Upper

129 100

127 76.7 53.1 98.5





#50

1,2-Dibromoethane

Concen: 49.841 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

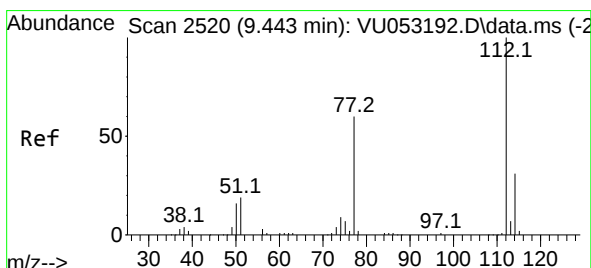
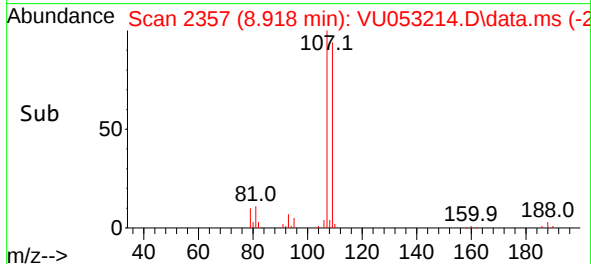
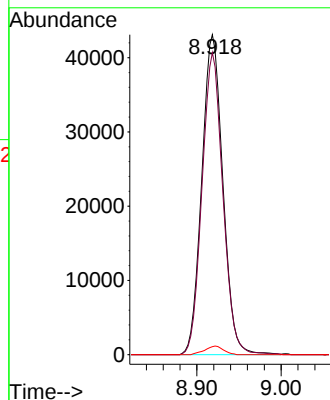
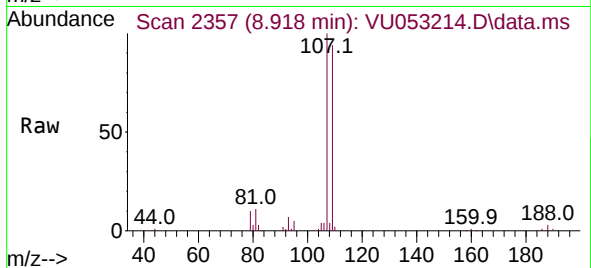
Tgt Ion:107 Resp: 75068

Ion Ratio Lower Upper

107 100

109 94.4 64.6 120.0

188 2.5 2.2 3.4



#51

Chlorobenzene

Concen: 49.565 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

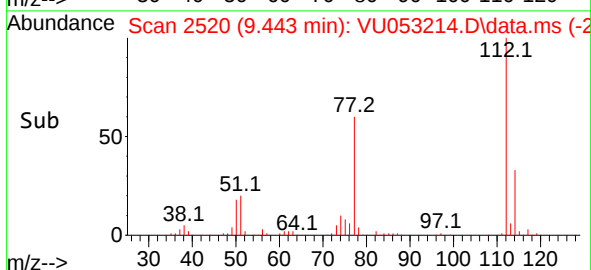
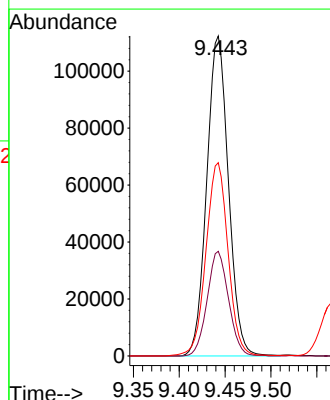
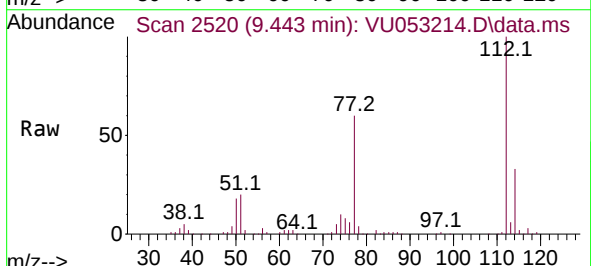
Tgt Ion:112 Resp: 184787

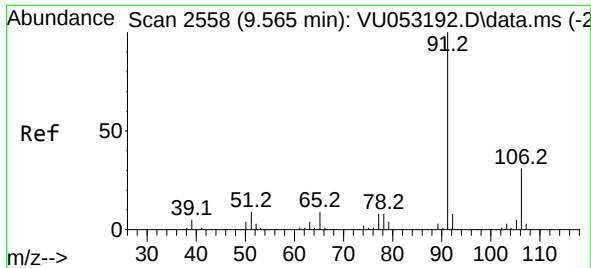
Ion Ratio Lower Upper

112 100

114 32.7 21.8 40.6

77 60.4 48.8 73.2

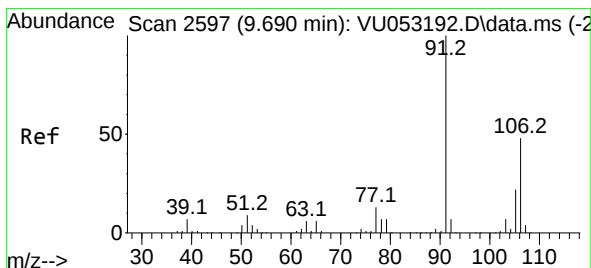
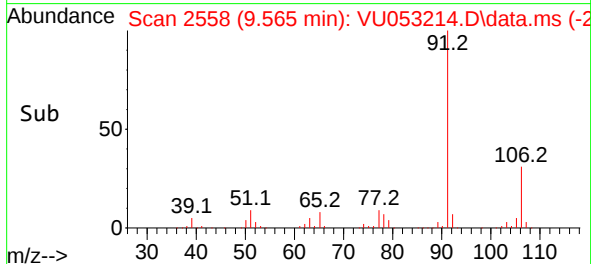
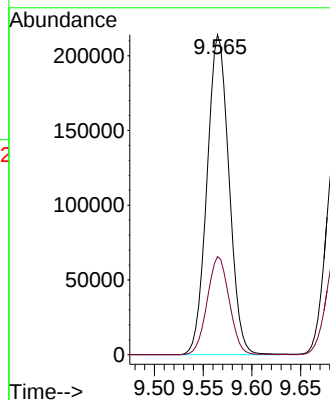
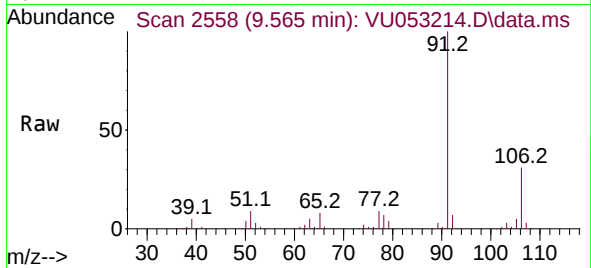




#52
Ethylbenzene
Concen: 49.549 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

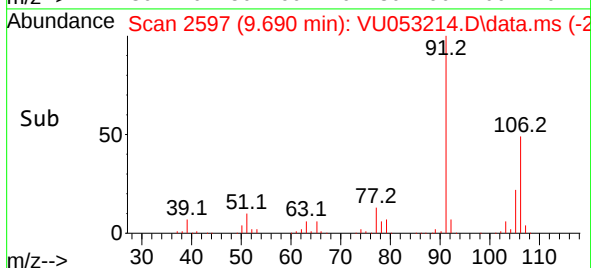
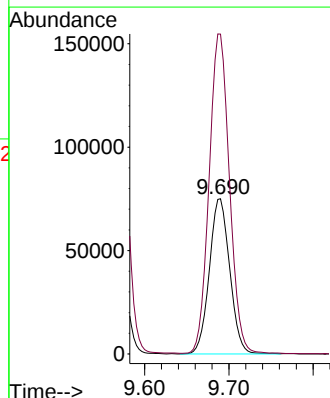
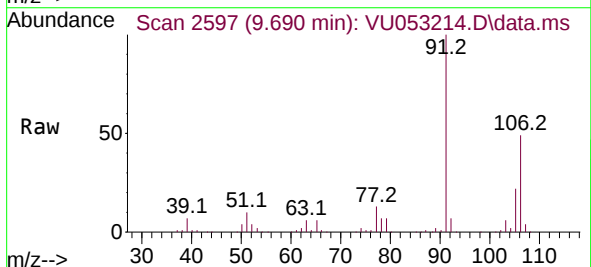
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

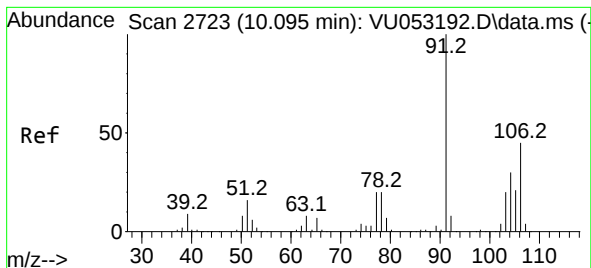
Tgt Ion: 91 Resp: 336113
Ion Ratio Lower Upper
91 100
106 30.7 21.6 40.0



#53
m,p-Xylene
Concen: 49.873 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 106 Resp: 126270
Ion Ratio Lower Upper
106 100
91 206.1 145.3 269.8





#54

o-Xylene

Concen: 49.137 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

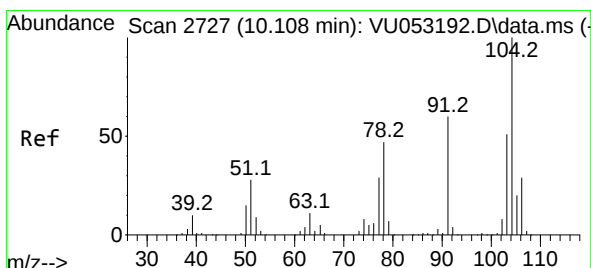
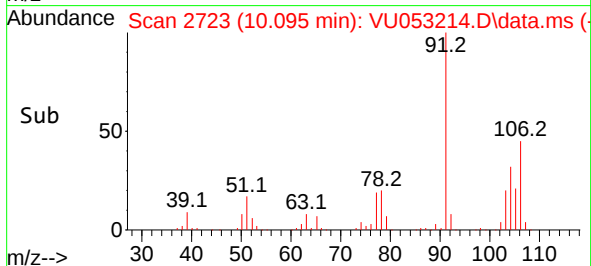
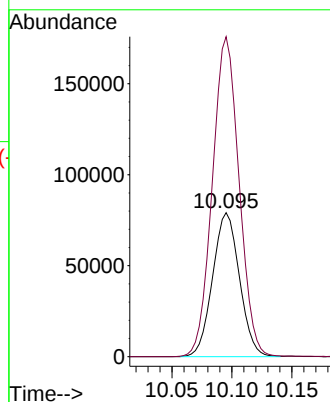
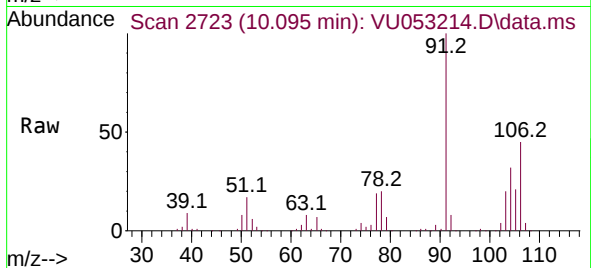
VSTD050160

Tgt Ion:106 Resp: 123045

Ion Ratio Lower Upper

106 100

91 222.3 154.9 287.7



#55

Styrene

Concen: 49.981 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU053214.D

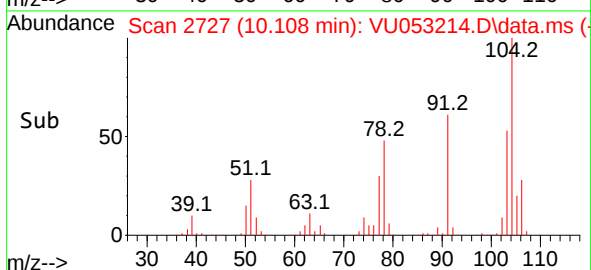
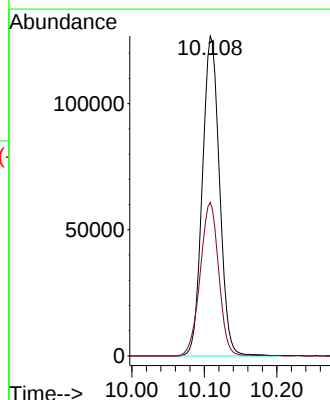
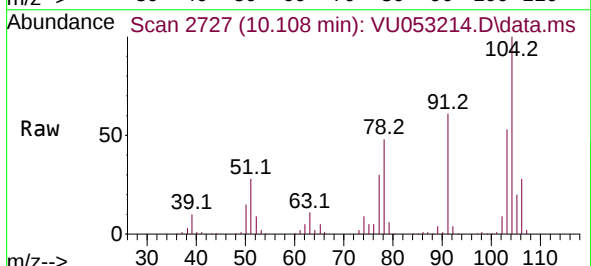
Acq: 15 Mar 2023 20:34

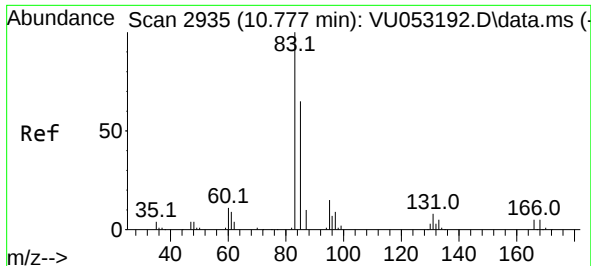
Tgt Ion:104 Resp: 208595

Ion Ratio Lower Upper

104 100

78 48.0 32.9 61.1

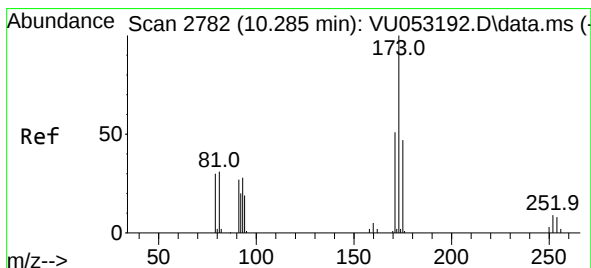
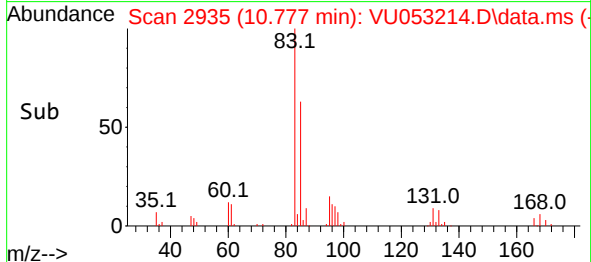
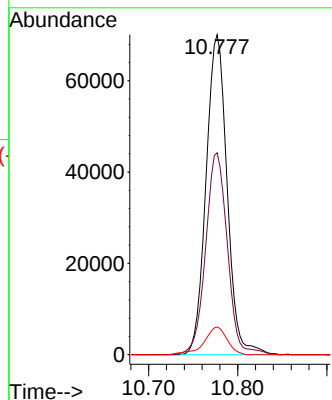
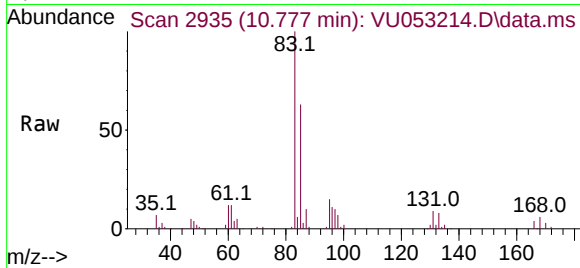




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.622 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU053214.D
 Acq: 15 Mar 2023 20:34

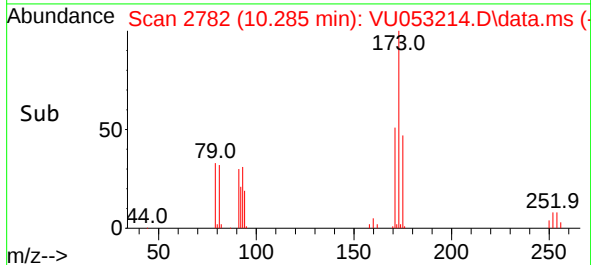
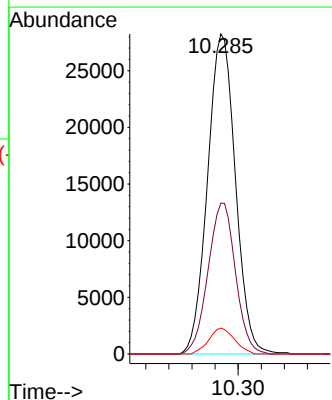
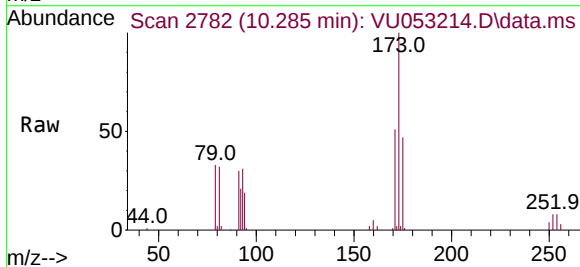
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050160

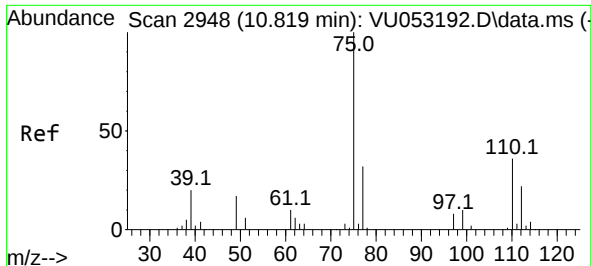
Tgt Ion: 83 Resp: 114998
 Ion Ratio Lower Upper
 83 100
 85 63.1 46.0 85.4
 131 8.7 6.6 10.0



#59
 Bromoform
 Concen: 47.453 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU053214.D
 Acq: 15 Mar 2023 20:34

Tgt Ion: 173 Resp: 47387
 Ion Ratio Lower Upper
 173 100
 175 46.3 38.5 57.7
 254 7.5 6.5 9.7

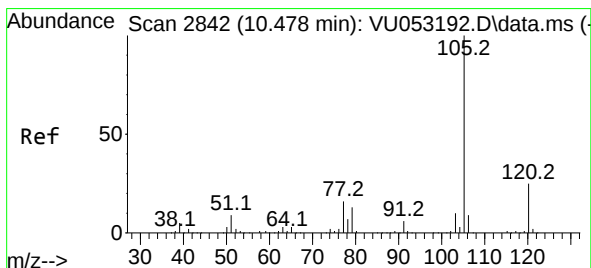
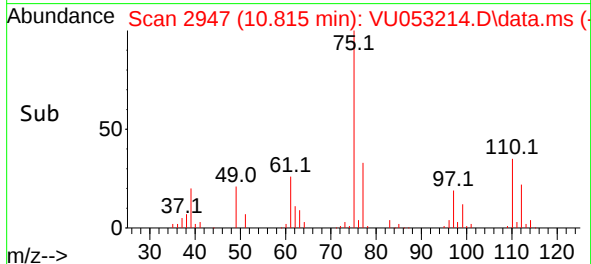
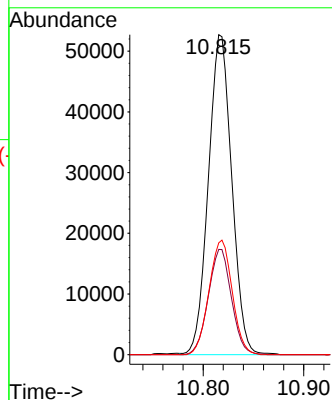
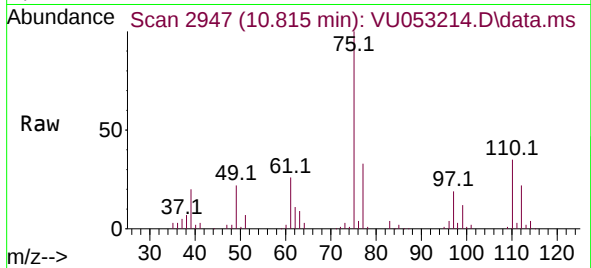




#60
1,2,3-Trichloropropane
Concen: 48.898 ug/L
RT: 10.815 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

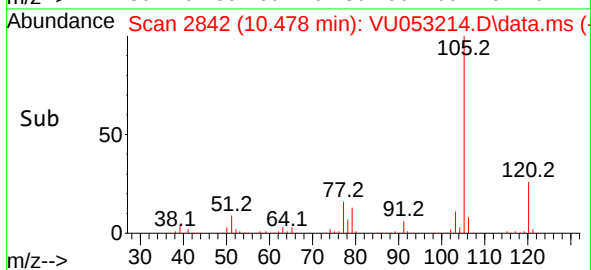
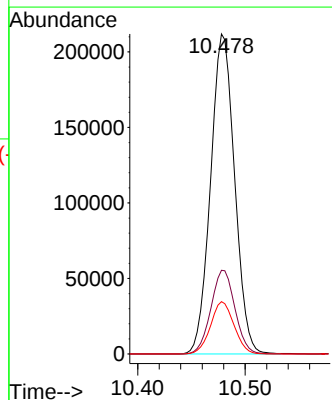
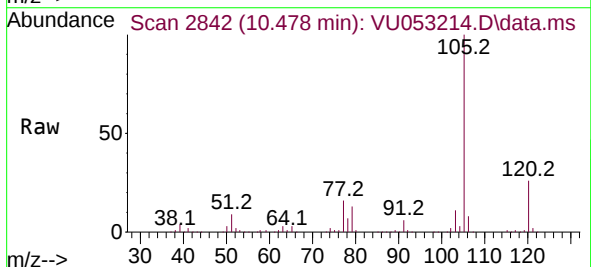
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

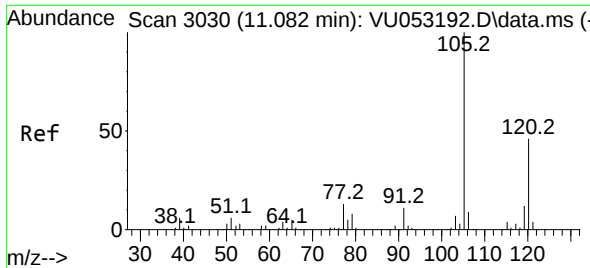
Tgt Ion: 75 Resp: 85264
Ion Ratio Lower Upper
75 100
77 32.5 26.6 40.0
110 35.5 28.6 42.8



#61
Isopropylbenzene
Concen: 47.486 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion: 105 Resp: 329237
Ion Ratio Lower Upper
105 100
120 26.1 20.4 30.6
77 15.9 13.0 19.4

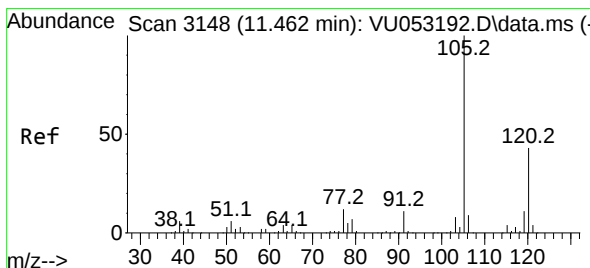
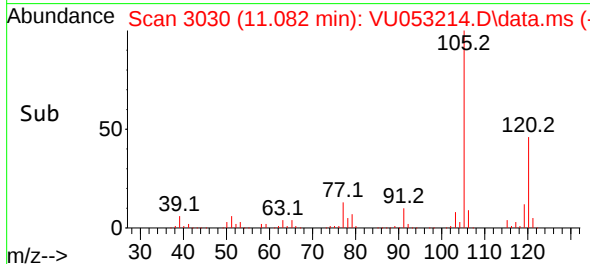
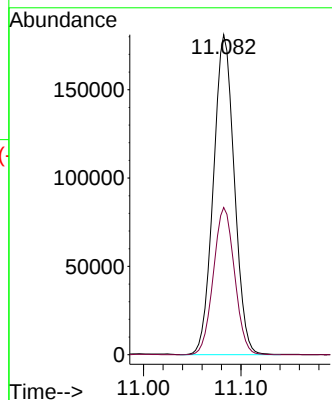
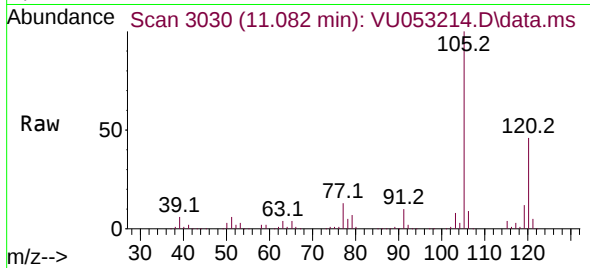




#62
 1,3,5-Trimethylbenzene
 Concen: 47.123 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. -0.000 min
 Lab File: VU053214.D
 Acq: 15 Mar 2023 20:34

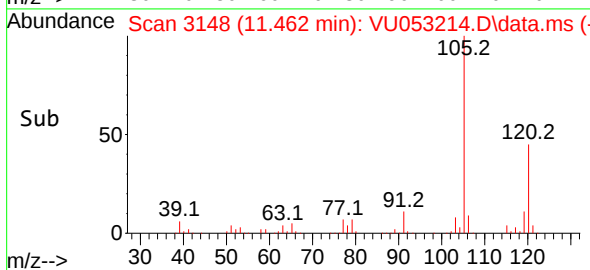
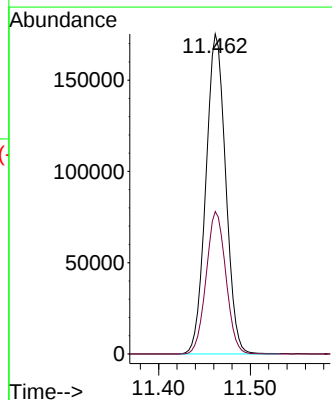
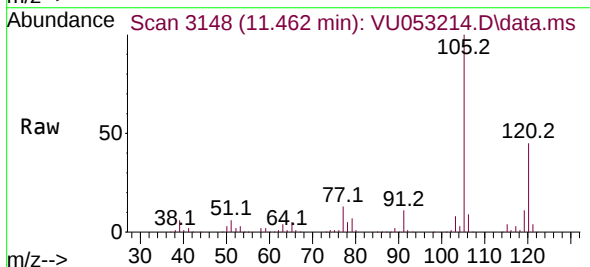
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050160

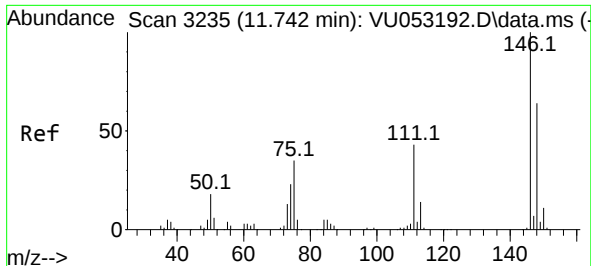
Tgt Ion:105 Resp: 270440
 Ion Ratio Lower Upper
 105 100
 120 46.5 37.0 55.4



#63
 1,2,4-Trimethylbenzene
 Concen: 46.914 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. -0.000 min
 Lab File: VU053214.D
 Acq: 15 Mar 2023 20:34

Tgt Ion:105 Resp: 262443
 Ion Ratio Lower Upper
 105 100
 120 44.3 34.6 52.0

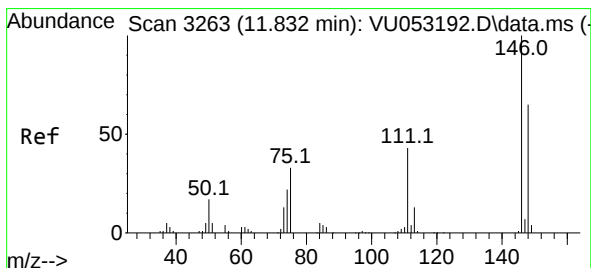
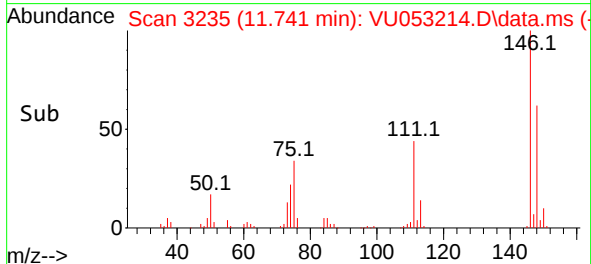
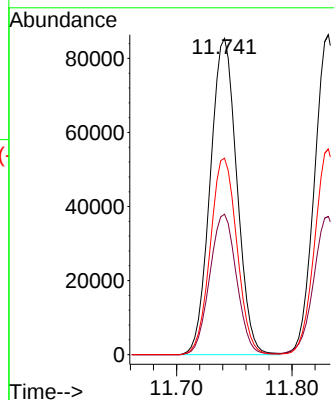
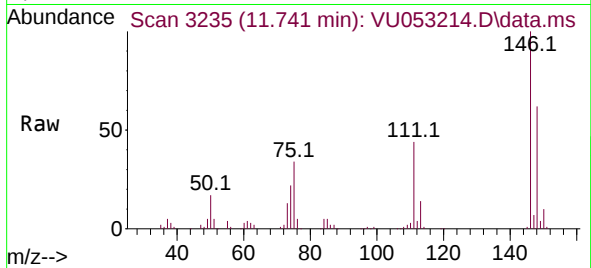




#64
1,3-Dichlorobenzene
Concen: 47.079 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

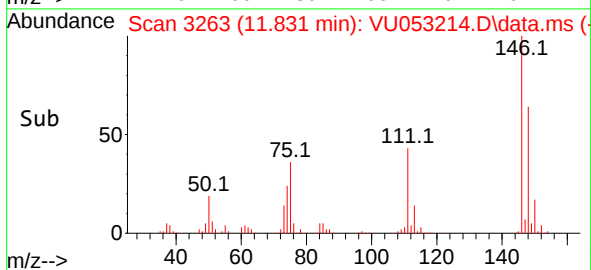
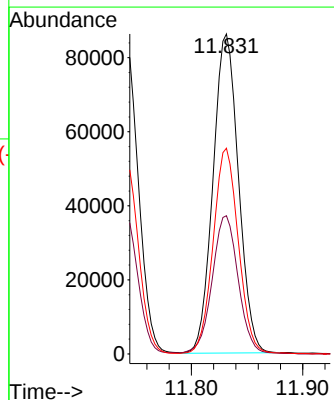
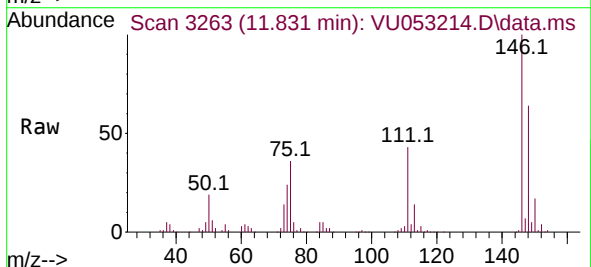
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

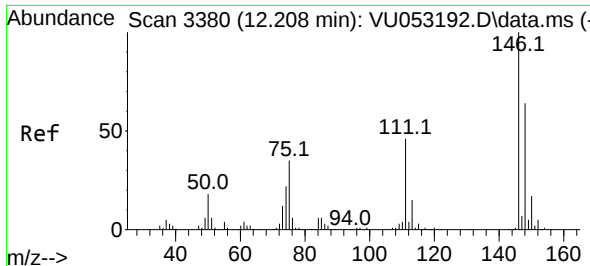
Tgt Ion:146 Resp: 136896
Ion Ratio Lower Upper
146 100
111 44.4 30.2 56.0
148 62.1 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.902 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion:146 Resp: 136911
Ion Ratio Lower Upper
146 100
111 43.2 30.7 57.1
148 64.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 47.406 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

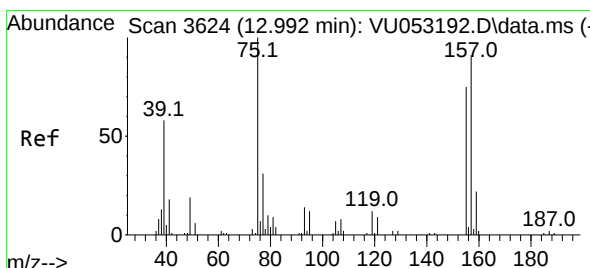
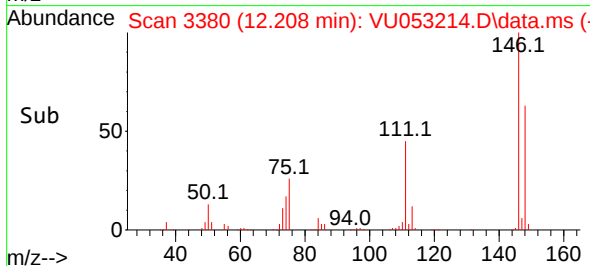
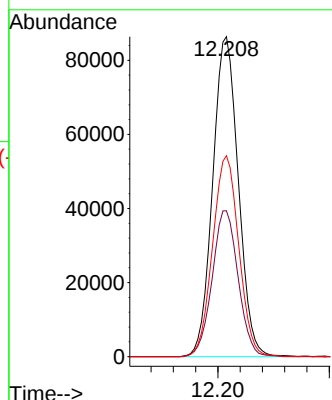
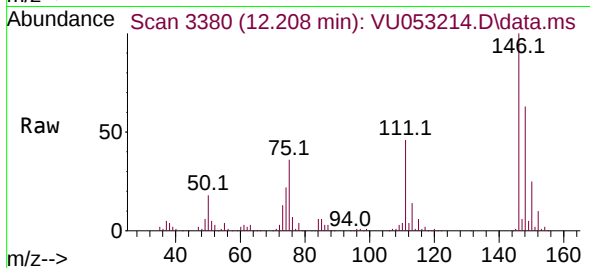
Tgt Ion:146 Resp: 137775

Ion Ratio Lower Upper

146 100

111 45.6 37.0 55.4

148 62.8 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 48.453 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

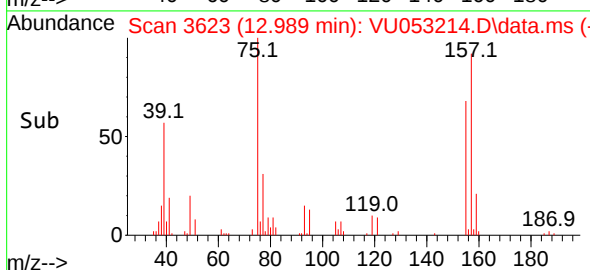
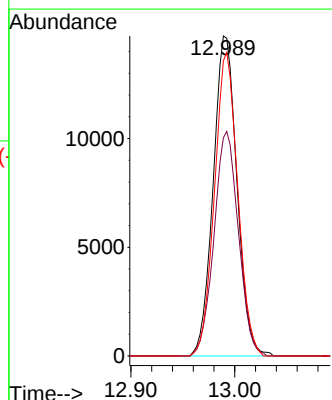
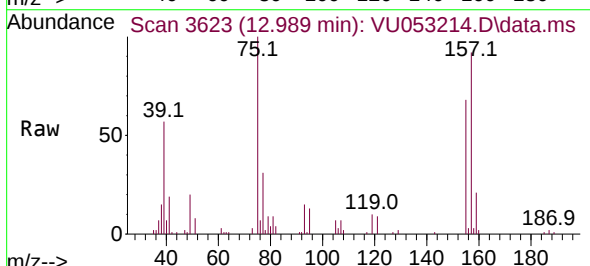
Tgt Ion: 75 Resp: 23363

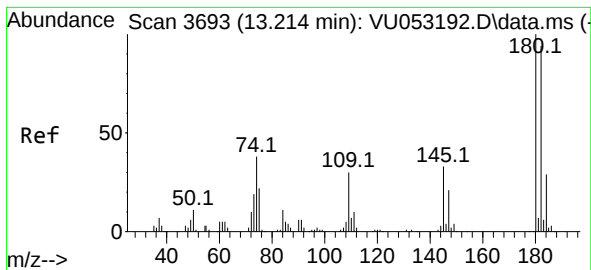
Ion Ratio Lower Upper

75 100

155 68.2 60.2 90.4

157 92.3 73.0 109.4

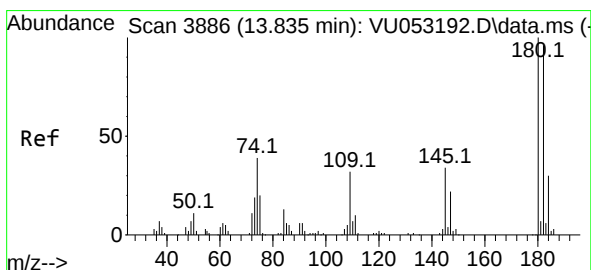
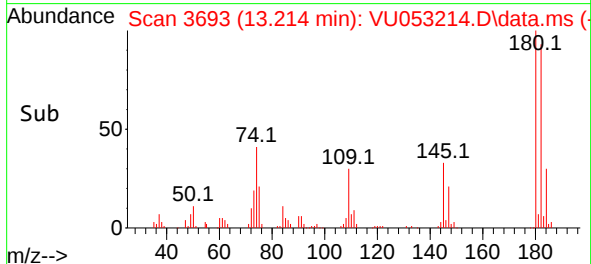
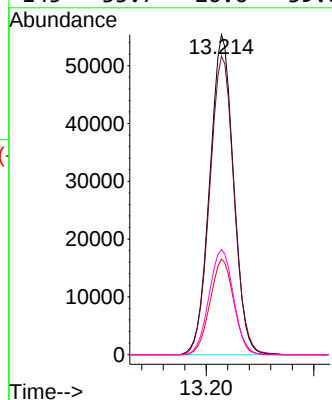
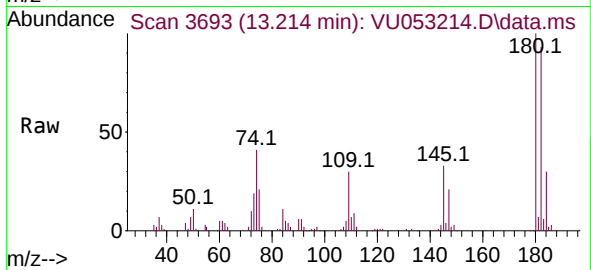




#69
1,3,5-Trichlorobenzene
Concen: 46.074 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

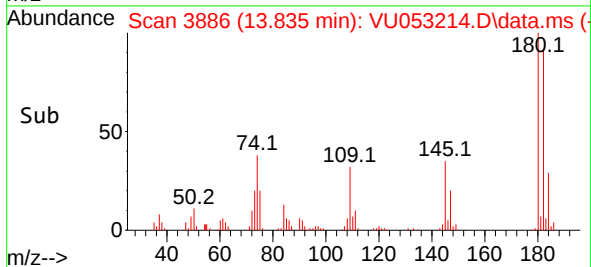
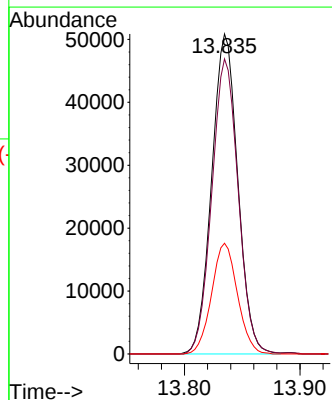
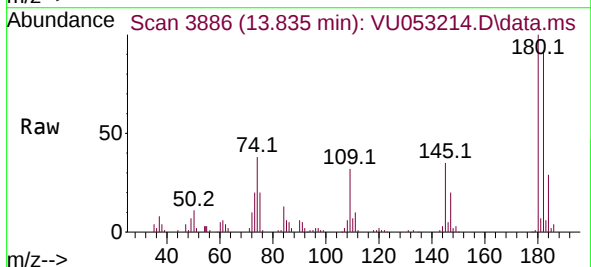
Instrument :
MSVOA_U
ClientSampleId :
VSTD050160

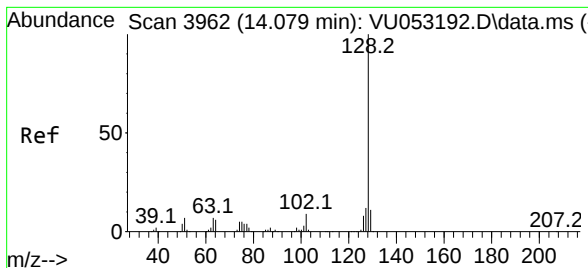
Tgt Ion:180	Resp:	84940
Ion Ratio	Lower	Upper
180	100	
182	95.6	74.5 111.7
184	29.9	23.2 34.8
145	33.7	26.6 39.8



#70
1,2,4-trichlorobenzene
Concen: 48.214 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053214.D
Acq: 15 Mar 2023 20:34

Tgt Ion:180	Resp:	79865
Ion Ratio	Lower	Upper
180	100	
182	93.0	75.8 113.8
145	34.2	27.2 40.8





#71

Naphthalene

Concen: 50.695 ug/L

RT: 14.082 min Scan# 3962

Delta R.T. 0.003 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050160

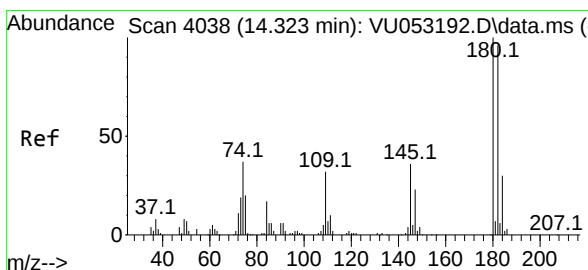
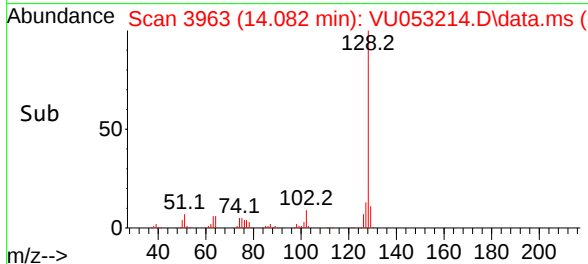
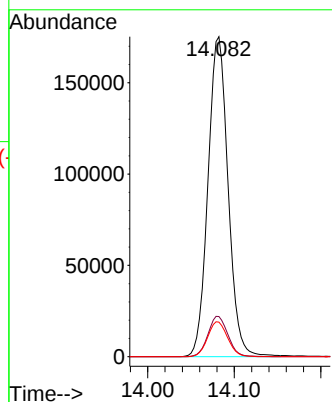
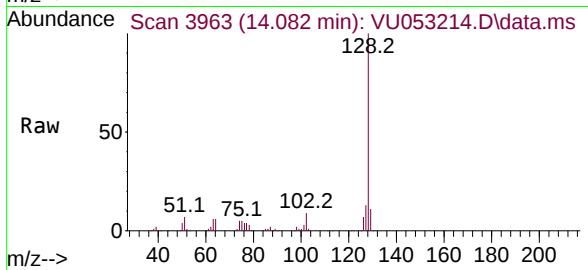
Tgt Ion:128 Resp: 283042

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.840 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU053214.D

Acq: 15 Mar 2023 20:34

Tgt Ion:180 Resp: 78293

Ion Ratio Lower Upper

180 100

182 93.4 76.7 115.1

145 35.7 28.6 42.8

