

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053192.D
 Acq On : 15 Mar 2023 10:35
 Operator : JC/MD
 Sample : VSTD05007
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050007

Quant Time: Mar 16 03:45:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:43:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	175760	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	169274	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	91314	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	83760	51.591	ug/L	0.00
7) Chloroethane-d5	1.916	69	65272	48.280	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	140581	50.671	ug/L	0.00
21) 2-Butanone-d5	4.623	46	78626	94.668	ug/L	0.00
24) Chloroform-d	5.057	84	136873	48.806	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	83851	47.172	ug/L	0.00
32) Benzene-d6	5.722	84	279857	47.332	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	90848	47.106	ug/L	0.00
41) Toluene-d8	7.893	98	257253	46.999	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	44887	45.903	ug/L	0.00
47) 2-Hexanone-d5	8.626	63	56188	85.901	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	117170	45.697	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	86892	44.051	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	91806	50.905	ug/L	100
3) Chloromethane	1.520	50	85200	48.739	ug/L	100
5) Vinyl chloride	1.604	62	93644	49.929	ug/L	100
6) Bromomethane	1.861	94	56380	47.466	ug/L	100
8) Chloroethane	1.935	64	54880	48.292	ug/L	100
9) Trichlorofluoromethane	2.141	101	115355	47.795	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	69592	50.603	ug/L	100
12) 1,1-Dichloroethene	2.581	96	63629	49.219	ug/L	100
13) Acetone	2.633	43	83588	139.309	ug/L	100
14) Carbon disulfide	2.793	76	198069	47.541	ug/L	100
15) Methyl Acetate	2.944	43	60213	51.646	ug/L	100
16) Methylene chloride	3.044	84	75054	50.131	ug/L	100
17) trans-1,2-Dichloroethene	3.353	96	66089	50.195	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	222541	50.388	ug/L	100
19) 1,1-Dichloroethane	3.864	63	135040	51.992	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	77112	50.163	ug/L	100
22) 2-Butanone	4.700	43	100355	117.759	ug/L	100
23) Bromochloromethane	4.970	128	37780	52.199	ug/L	100
25) Chloroform	5.083	83	136627	51.572	ug/L	100
27) 1,2-Dichloroethane	5.790	62	106199	51.711	ug/L	100
29) Cyclohexane	5.385	56	127264	50.851	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	116136	49.382	ug/L	100
31) Carbon tetrachloride	5.520	117	96416	48.476	ug/L	100
33) Benzene	5.771	78	298147	50.146	ug/L	100
34) Trichloroethene	6.539	95	77607	50.143	ug/L	100
35) Methylcyclohexane	6.761	83	134580	50.251	ug/L	100
37) 1,2-Dichloropropane	6.787	63	83025	50.441	ug/L	100
38) Bromodichloromethane	7.099	83	104818	50.762	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	136906	50.643	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	173143	98.664	ug/L	100
42) Toluene	7.964	91	322494	50.723	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	126334	50.669	ug/L	100

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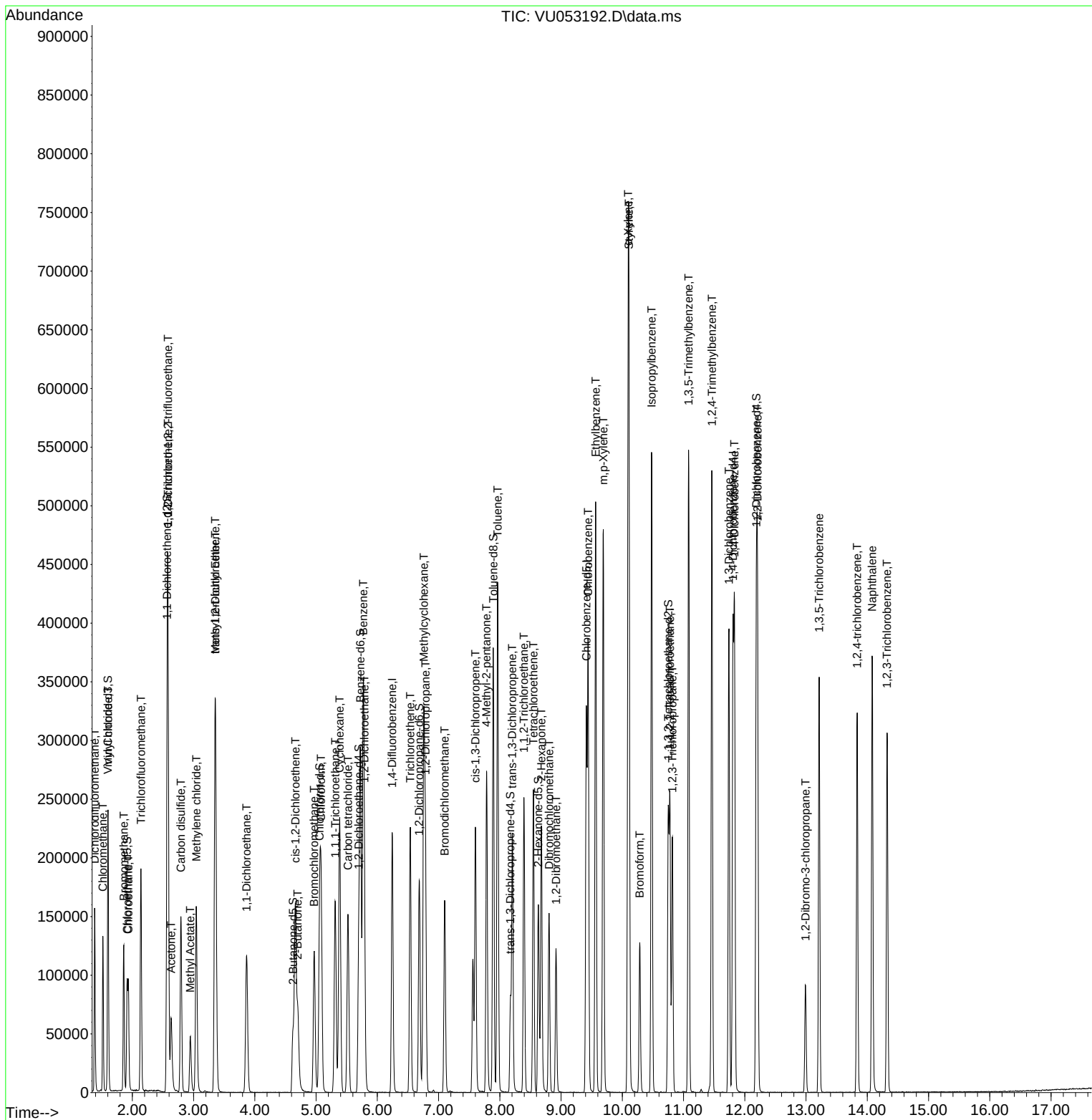
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050007

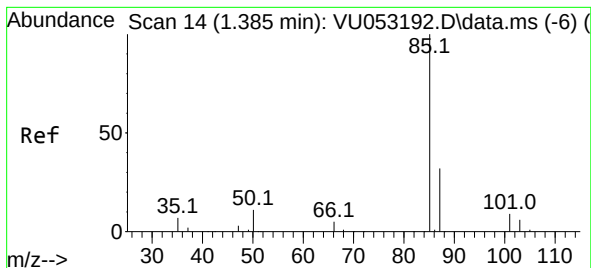
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	76001	51.070	ug/L	100
46) Tetrachloroethene	8.549	164	50700	49.735	ug/L	100
48) 2-Hexanone	8.677	43	143145	101.803	ug/L	100
49) Dibromochloromethane	8.806	129	77690	50.410	ug/L	100
50) 1,2-Dibromoethane	8.918	107	81659	51.402	ug/L	100
51) Chlorobenzene	9.443	112	199051	50.585	ug/L	100
52) Ethylbenzene	9.565	91	362030	51.081	ug/L	100
53) m,p-Xylene	9.690	106	136443	51.331	ug/L	100
54) o-Xylene	10.095	106	134945	51.087	ug/L	100
55) Styrene	10.108	104	225943	51.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	123493	50.774	ug/L	100
59) Bromoform	10.285	173	52649	47.373	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	89905	47.363	ug/L	100
61) Isopropylbenzene	10.478	105	362189	49.789	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	297634	48.424	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	291563	48.837	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	149877	49.891	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	150402	49.419	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	147665	48.893	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	25513	46.083	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	97601	48.068	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	87828	45.860	ug/L	100
71) Naphthalene	14.079	128	296336	40.575	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	84037	44.066	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 50.905 ug/L

RT: 1.385 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

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MSVOA_U

ClientSampleId :

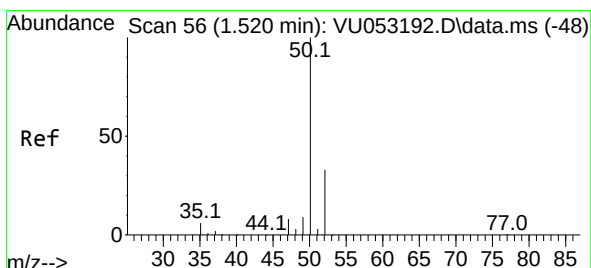
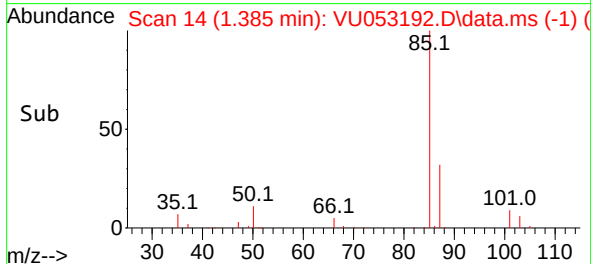
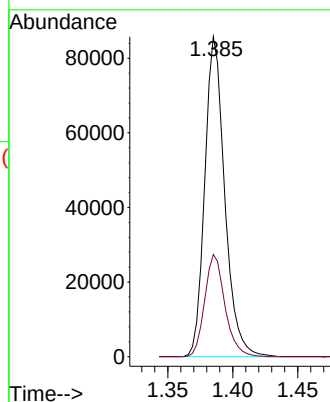
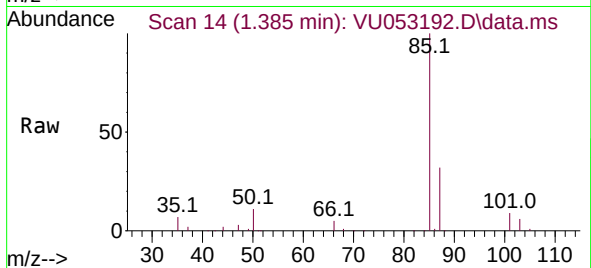
VSTD050007

Tgt Ion: 85 Resp: 91806

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



#3

Chloromethane

Concen: 48.739 ug/L

RT: 1.520 min Scan# 56

Delta R.T. 0.000 min

Lab File: VU053192.D

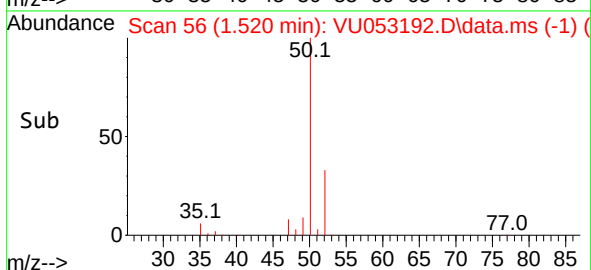
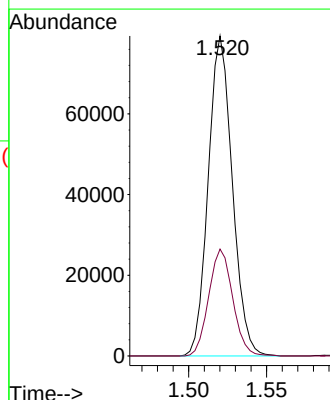
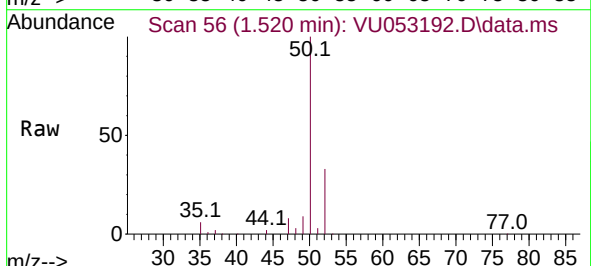
Acq: 15 Mar 2023 10:35

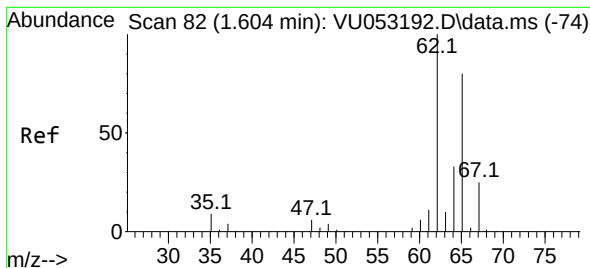
Tgt Ion: 50 Resp: 85200

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 49.929 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

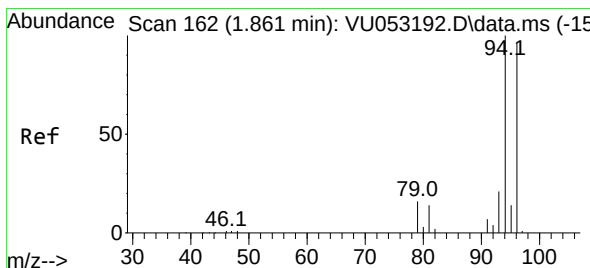
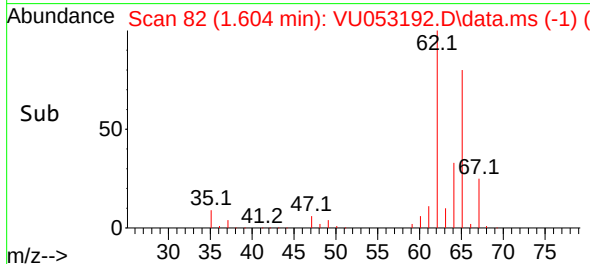
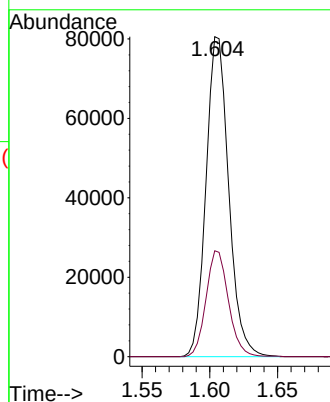
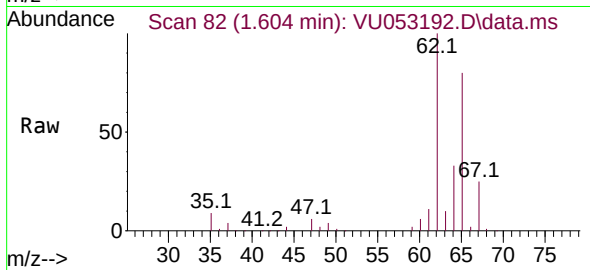
VSTD050007

Tgt Ion: 62 Resp: 93644

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 47.466 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.000 min

Lab File: VU053192.D

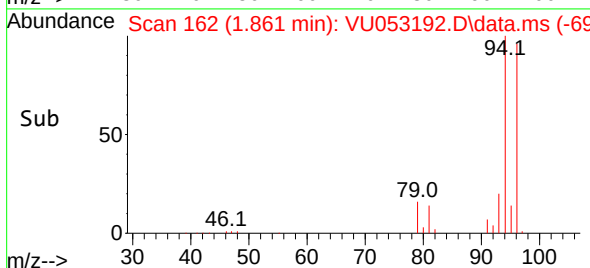
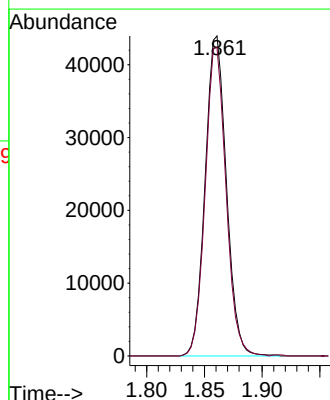
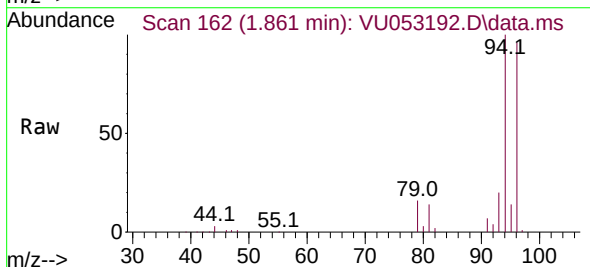
Acq: 15 Mar 2023 10:35

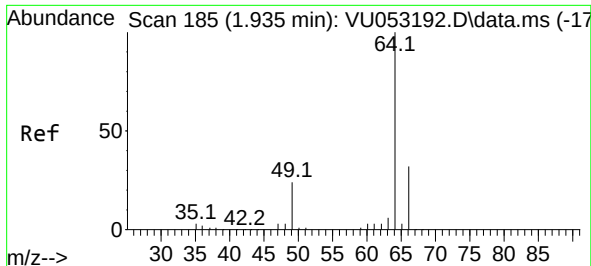
Tgt Ion: 94 Resp: 56380

Ion Ratio Lower Upper

94 100

96 96.4 67.5 125.3

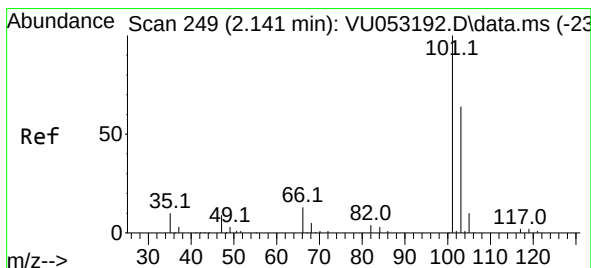
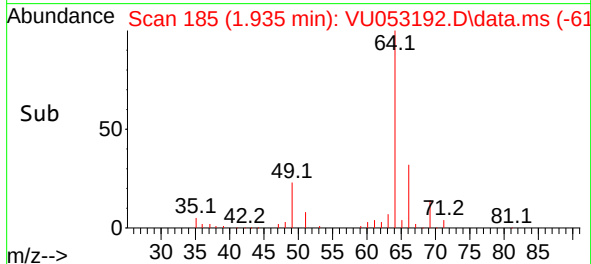
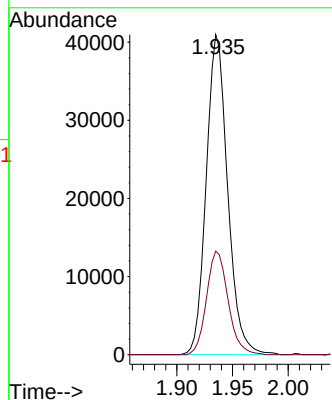
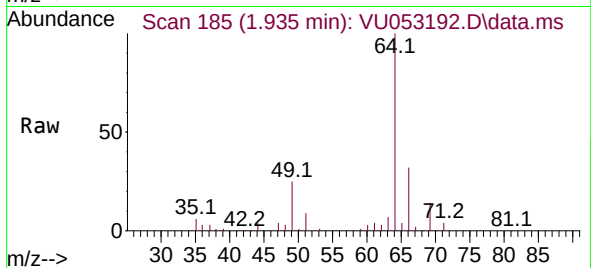




#8
Chloroethane
Concen: 48.292 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

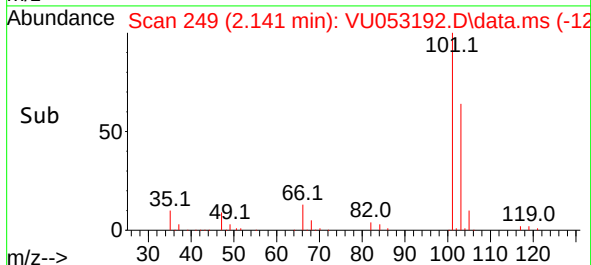
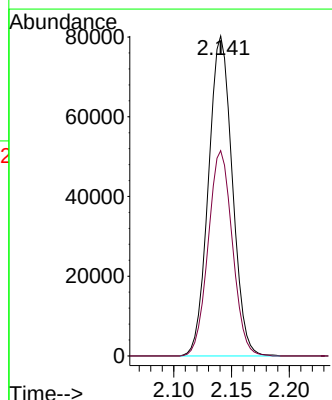
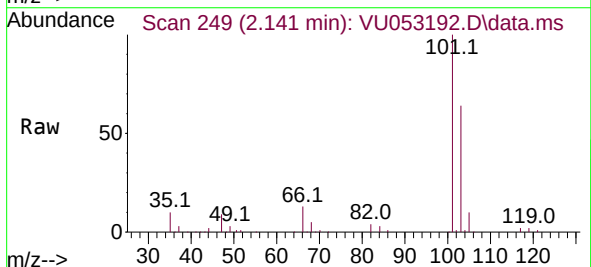
Instrument :
MSVOA_U
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VSTD050007

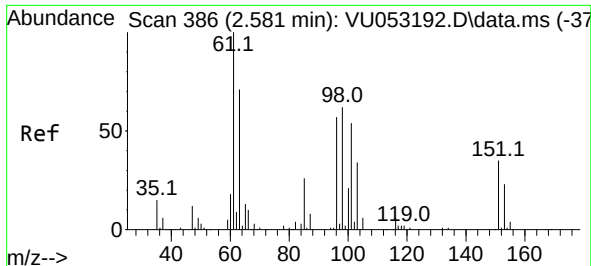
Tgt Ion: 64 Resp: 54880
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 47.795 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion:101 Resp: 115355
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

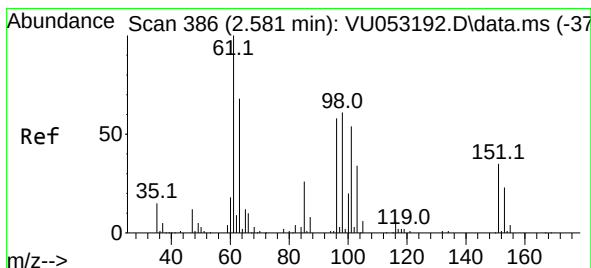
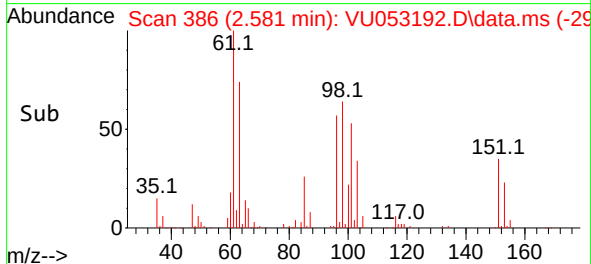
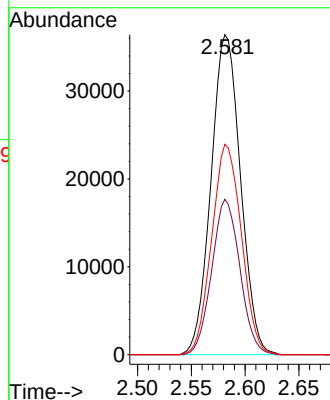
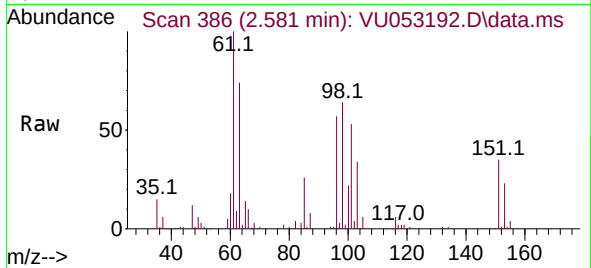




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.603 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

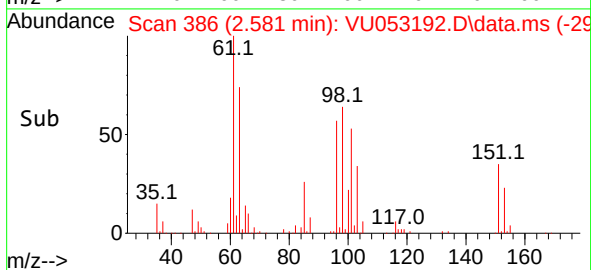
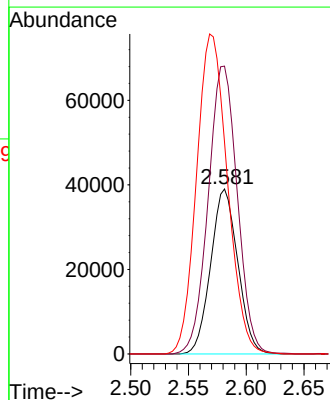
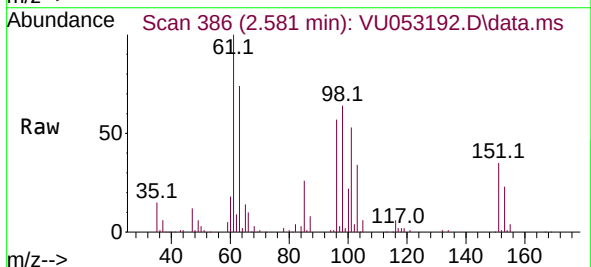
Instrument :
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 ClientSampleId :
 VSTD050007

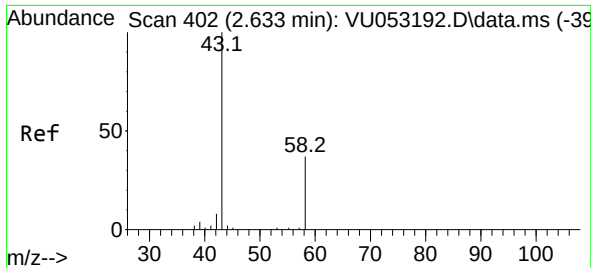
Tgt Ion:101 Resp: 69592
 Ion Ratio Lower Upper
 101 100
 85 46.3 37.0 55.6
 151 66.1 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 49.219 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

Tgt Ion: 96 Resp: 63629
 Ion Ratio Lower Upper
 96 100
 61 174.5 122.2 226.9
 63 128.4 89.9 166.9





#13

Acetone

Concen: 139.309 ug/L

RT: 2.633 min Scan# 402

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

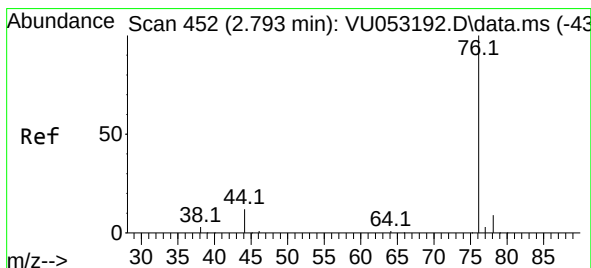
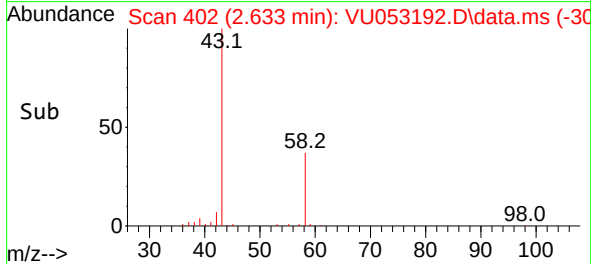
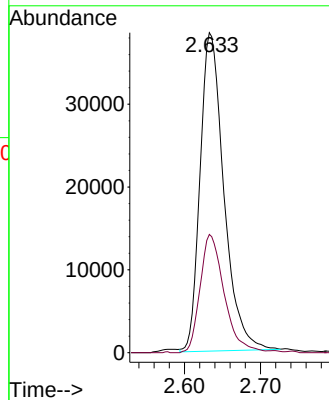
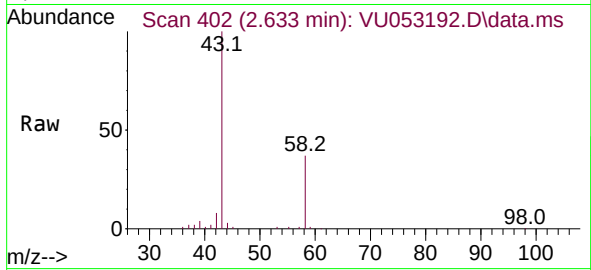
VSTD050007

Tgt Ion: 43 Resp: 83588

Ion Ratio Lower Upper

43 100

58 37.5 0.0 75.0



#14

Carbon disulfide

Concen: 47.541 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053192.D

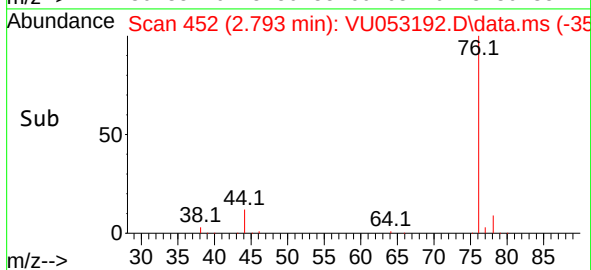
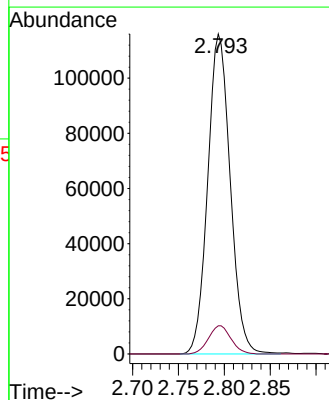
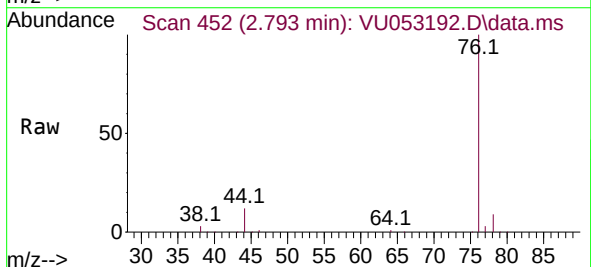
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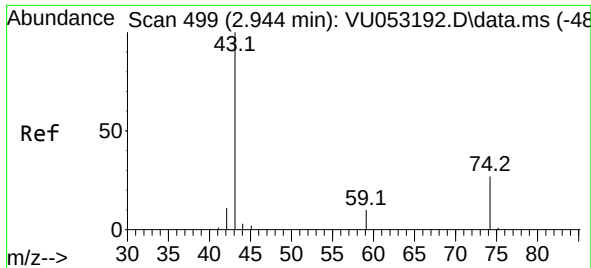
Tgt Ion: 76 Resp: 198069

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

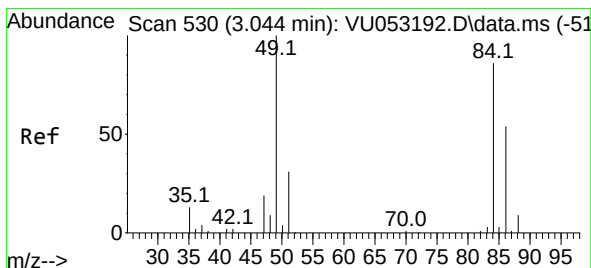
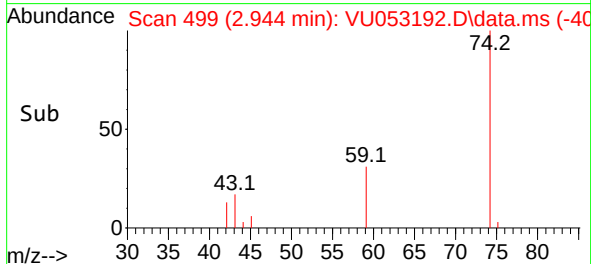
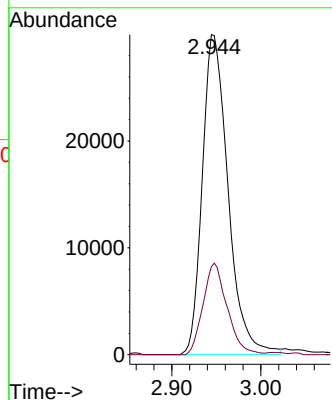
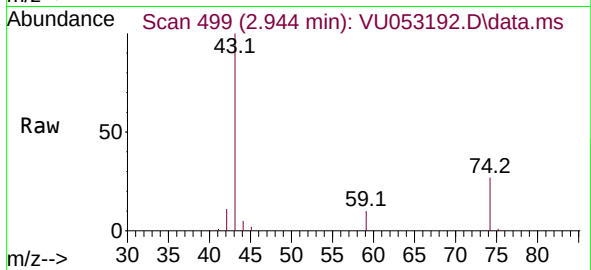




#15
Methyl Acetate
Concen: 51.646 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

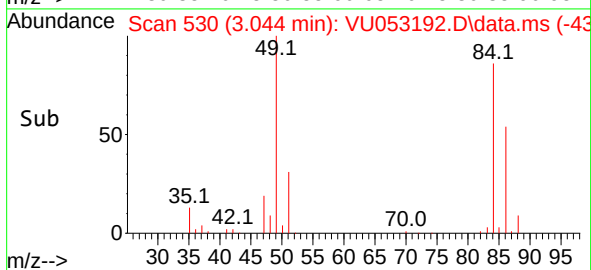
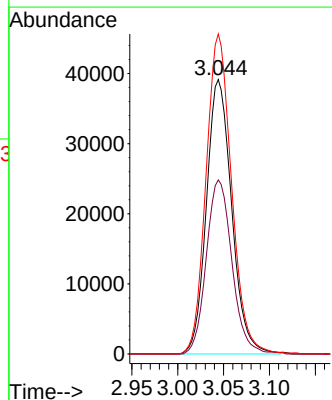
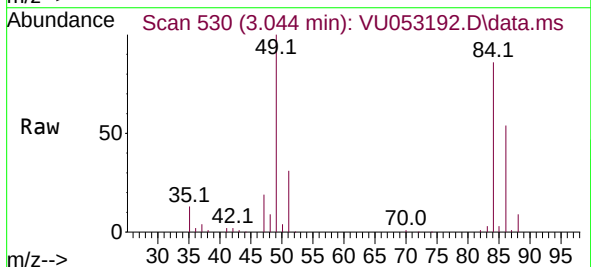
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MSVOA_U
ClientSampleId :
VSTD050007

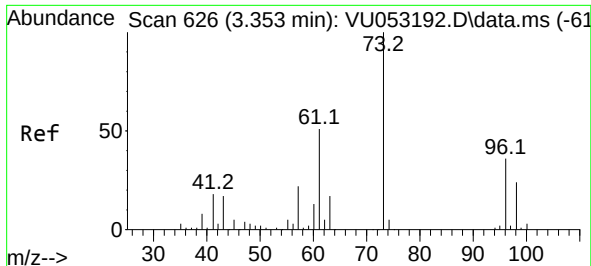
Tgt Ion: 43 Resp: 60213
Ion Ratio Lower Upper
43 100
74 26.7 21.4 32.0



#16
Methylene chloride
Concen: 50.131 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion: 84 Resp: 75054
Ion Ratio Lower Upper
84 100
86 63.4 44.4 82.4
49 116.6 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 50.195 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

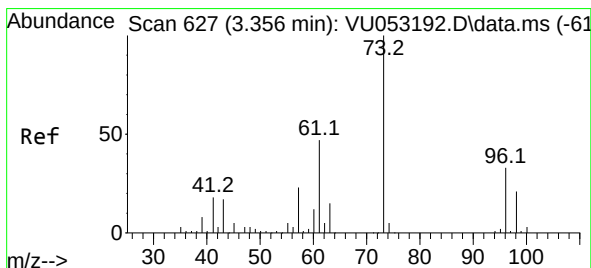
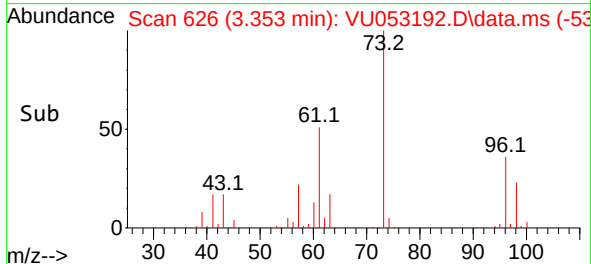
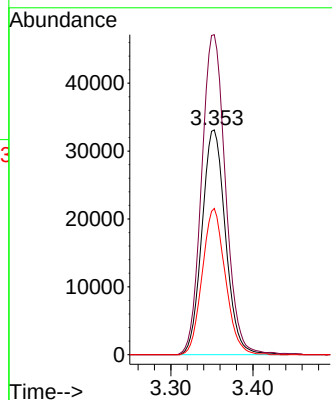
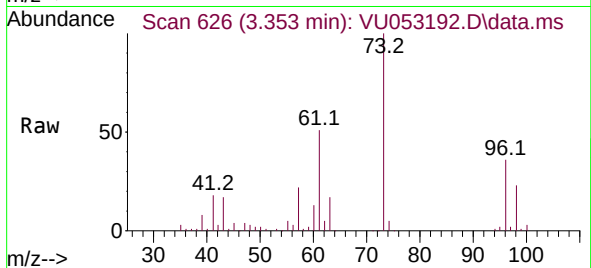
Tgt Ion: 96 Resp: 66089

Ion Ratio Lower Upper

96 100

61 142.3 99.6 185.0

98 65.0 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 50.388 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

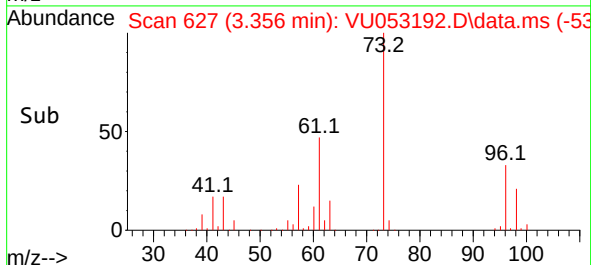
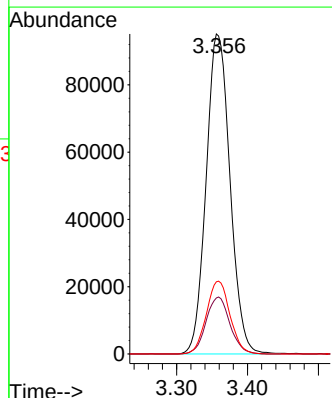
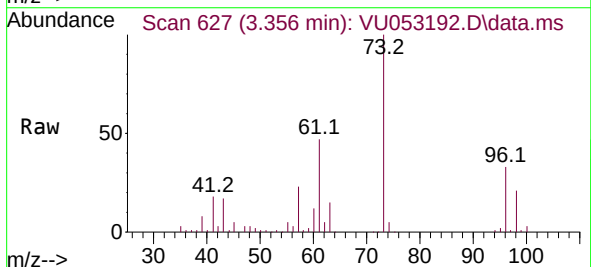
Tgt Ion: 73 Resp: 222541

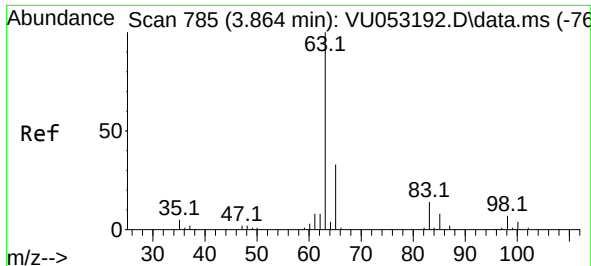
Ion Ratio Lower Upper

73 100

43 17.7 14.2 21.2

57 22.5 18.0 27.0





#19

1,1-Dichloroethane

Concen: 51.992 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

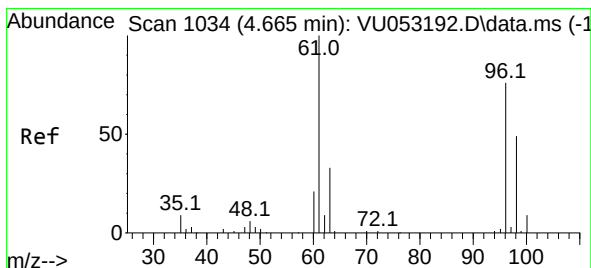
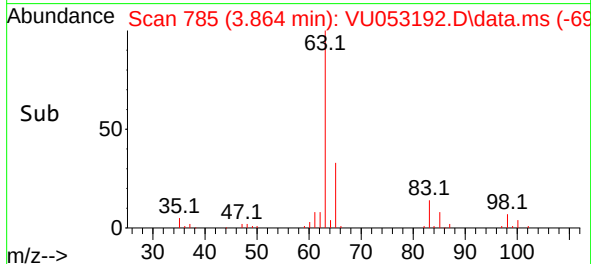
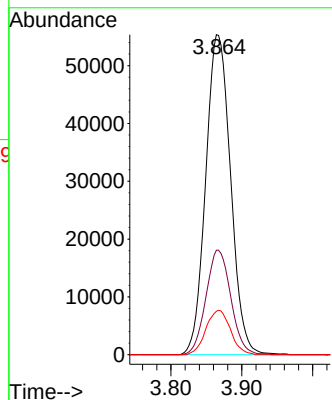
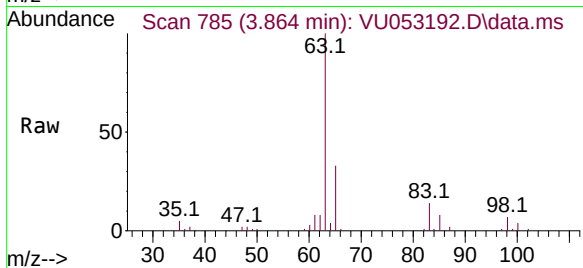
Tgt Ion: 63 Resp: 135040

Ion Ratio Lower Upper

63 100

65 32.6 22.8 42.4

83 13.5 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 50.163 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

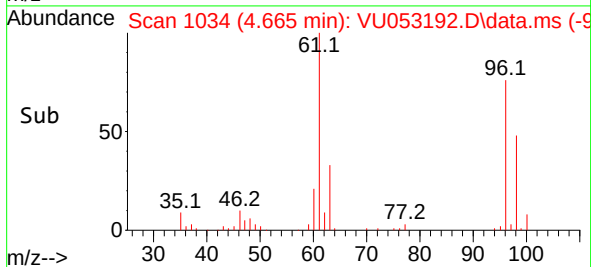
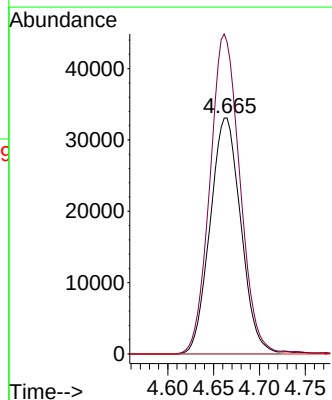
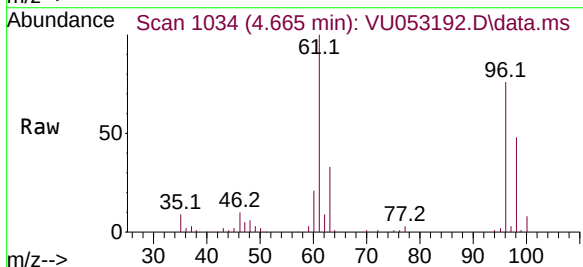
Tgt Ion: 96 Resp: 77112

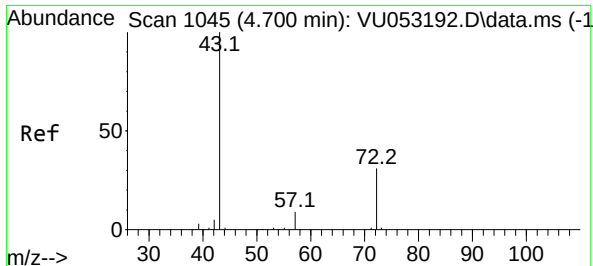
Ion Ratio Lower Upper

96 100

61 132.1 92.5 171.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 117.759 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

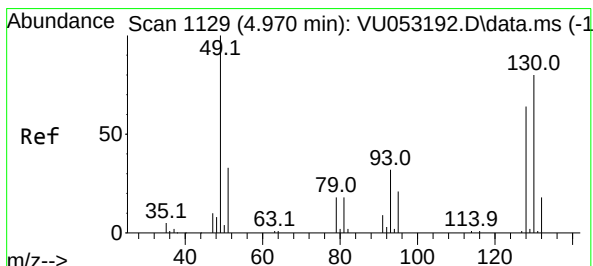
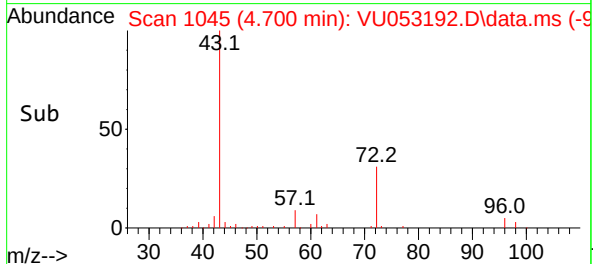
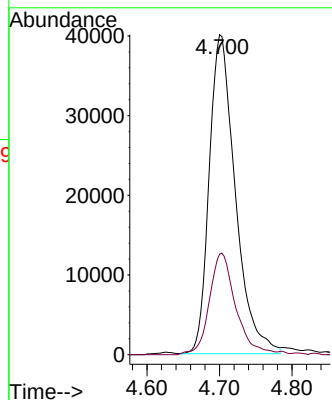
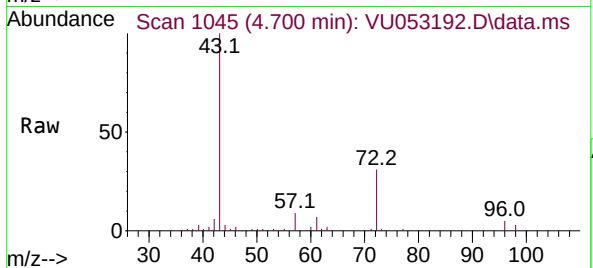
VSTD050007

Tgt Ion: 43 Resp: 100355

Ion Ratio Lower Upper

43 100

72 31.9 16.0 47.9



#23

Bromochloromethane

Concen: 52.199 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Tgt Ion:128 Resp: 37780

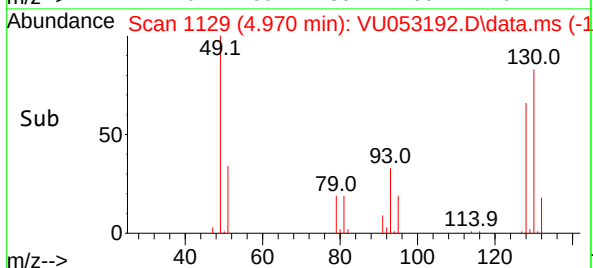
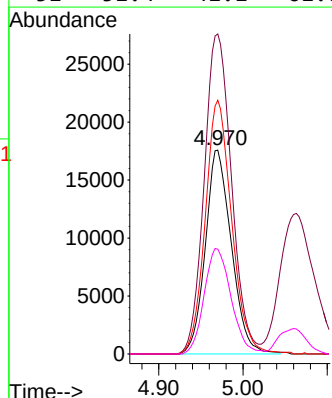
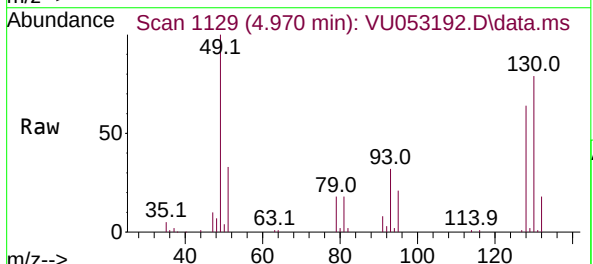
Ion Ratio Lower Upper

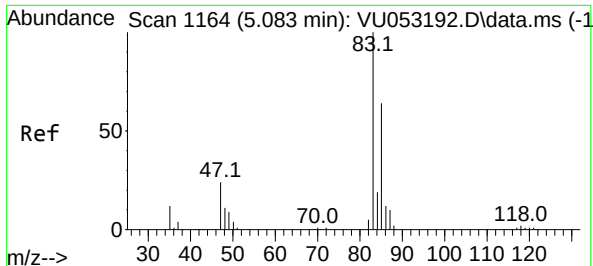
128 100

49 157.0 109.9 204.1

130 124.5 87.2 161.9

51 51.4 41.1 61.7





#25

Chloroform

Concen: 51.572 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

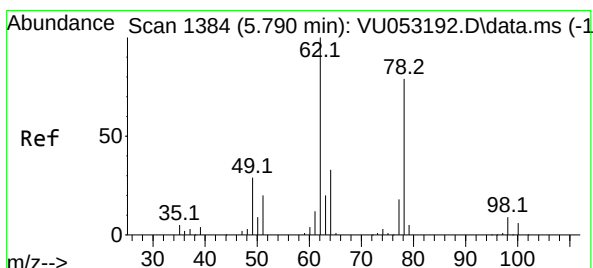
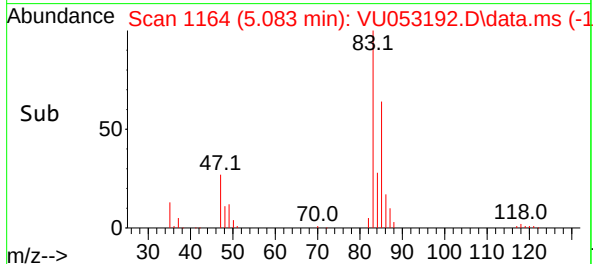
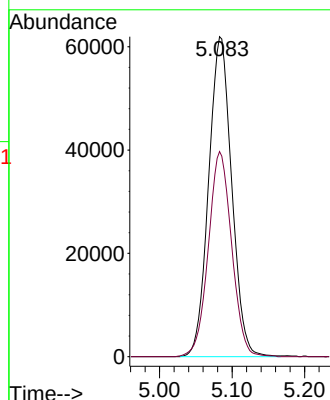
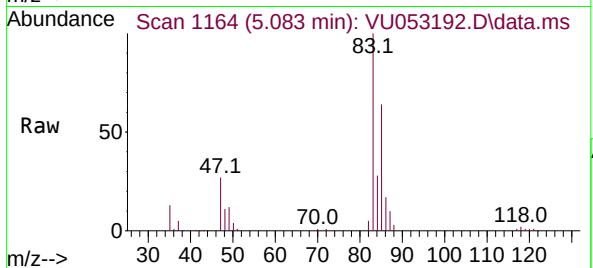
VSTD050007

Tgt Ion: 83 Resp: 136627

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 51.711 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053192.D

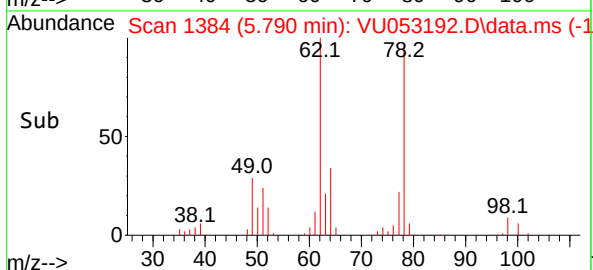
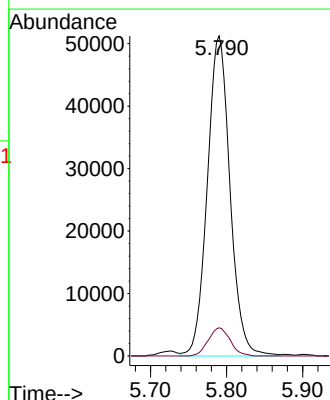
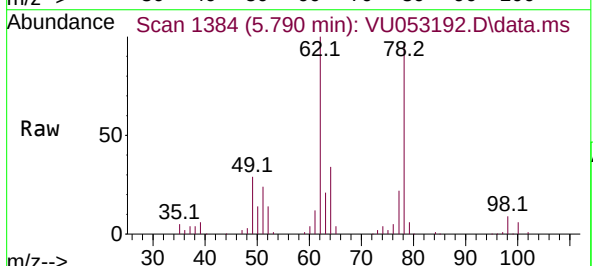
Acq: 15 Mar 2023 10:35

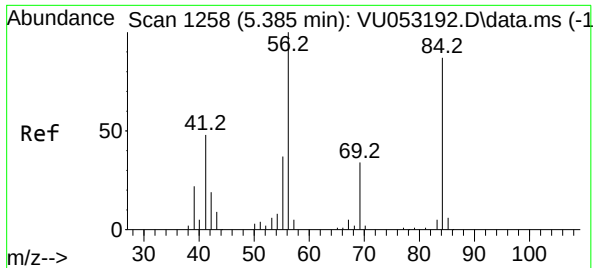
Tgt Ion: 62 Resp: 106199

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6





#29

Cyclohexane

Concen: 50.851 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

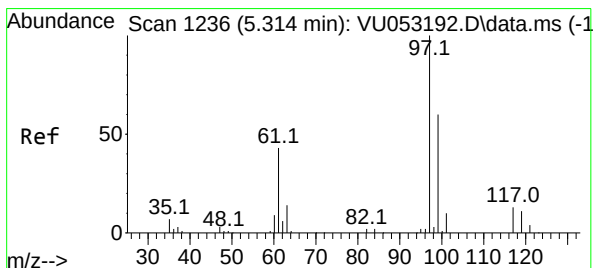
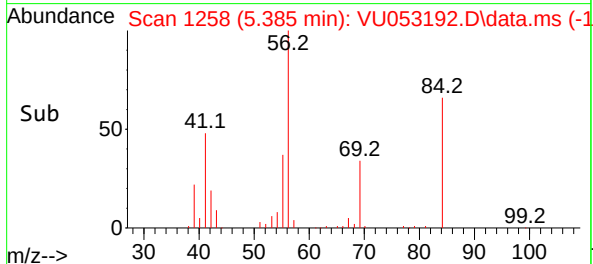
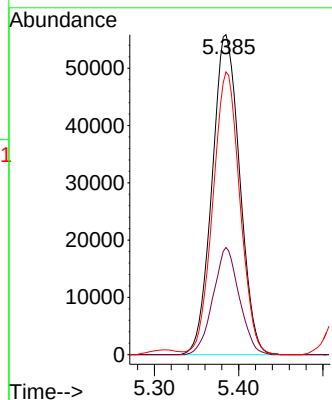
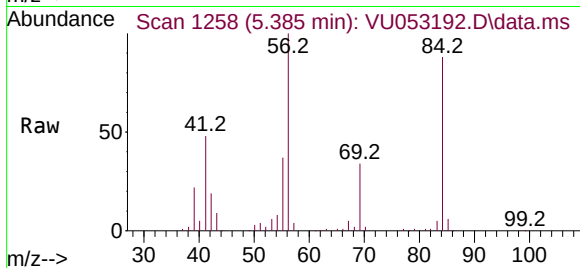
Tgt Ion: 56 Resp: 127264

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.0

84 86.3 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 49.382 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

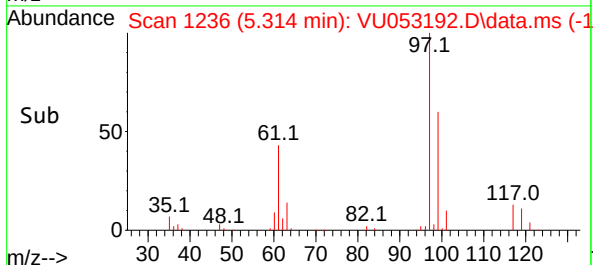
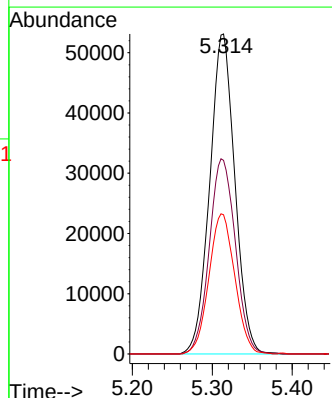
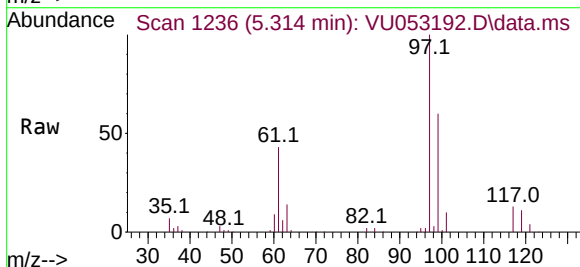
Tgt Ion: 97 Resp: 116136

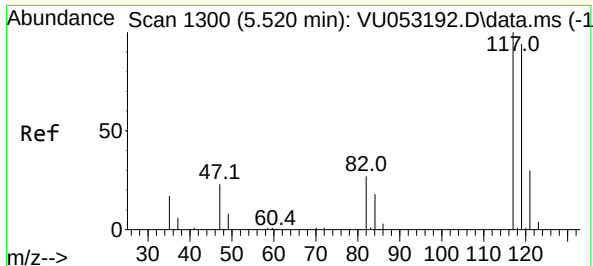
Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

61 45.0 36.0 54.0

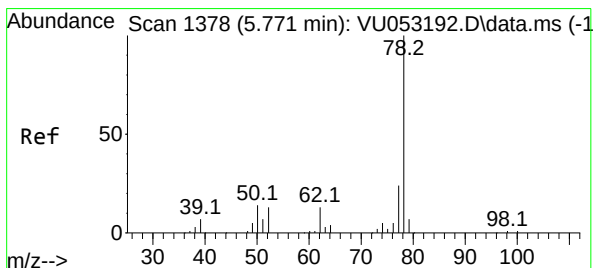
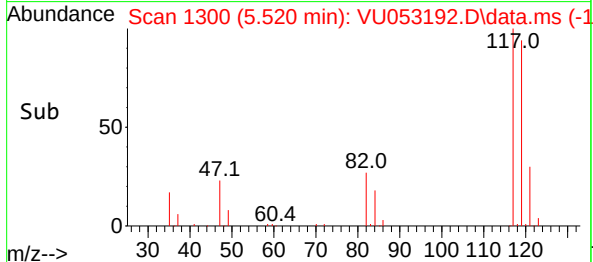
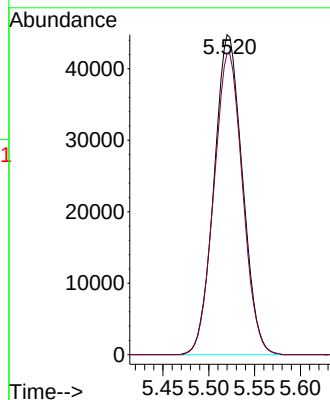
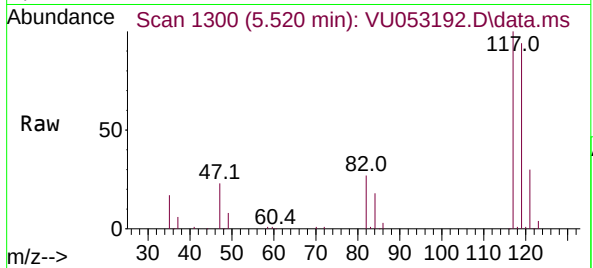




#31
Carbon tetrachloride
Concen: 48.476 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

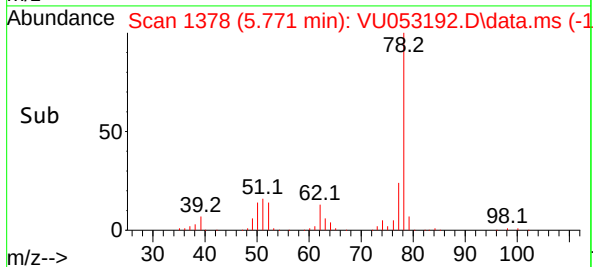
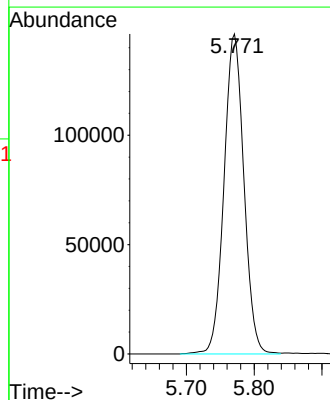
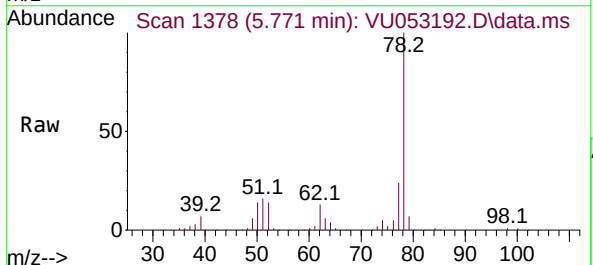
Instrument :
MSVOA_U
ClientSampleId :
VSTD050007

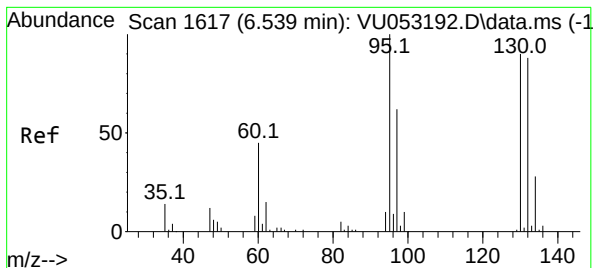
Tgt Ion:117 Resp: 96416
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2



#33
Benzene
Concen: 50.146 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion: 78 Resp: 298147





#34

Trichloroethene

Concen: 50.143 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

Tgt Ion: 95 Resp: 77607

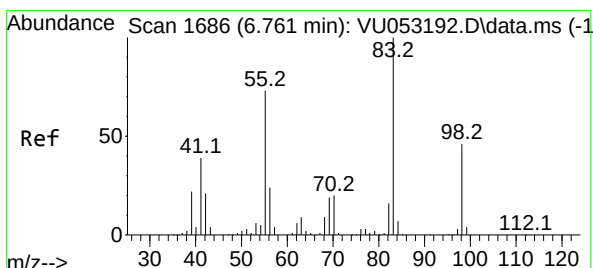
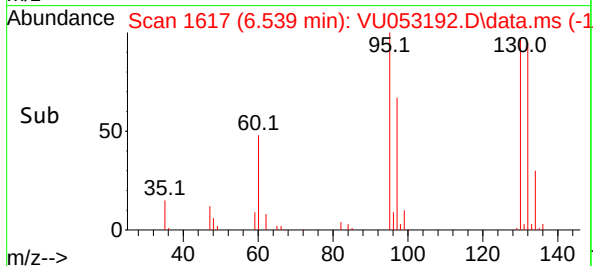
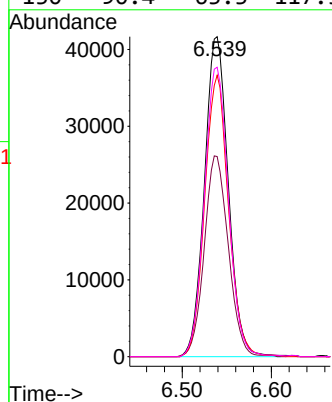
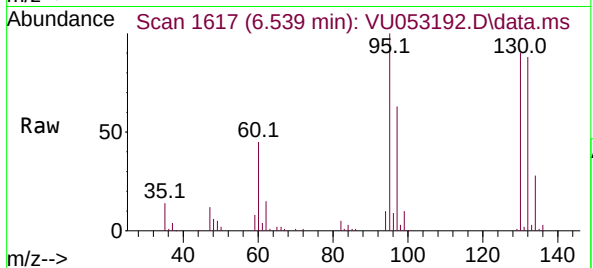
Ion Ratio Lower Upper

95 100

97 62.5 43.8 81.3

132 87.9 61.5 114.3

130 90.4 63.3 117.5



#35

Methylcyclohexane

Concen: 50.251 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

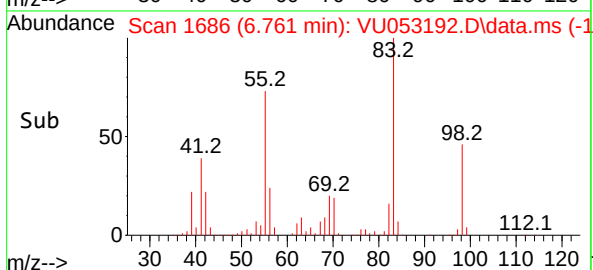
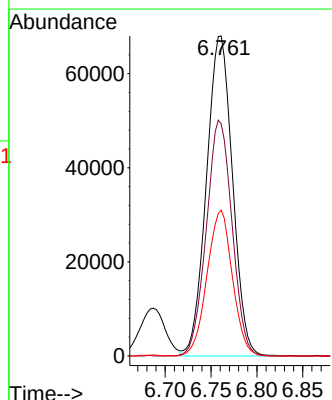
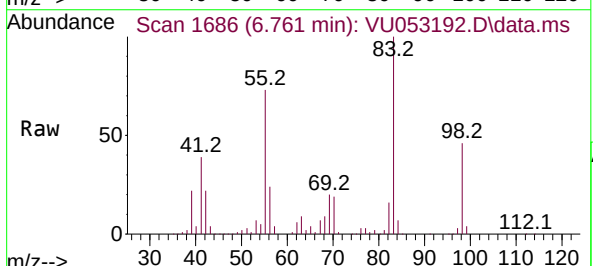
Tgt Ion: 83 Resp: 134580

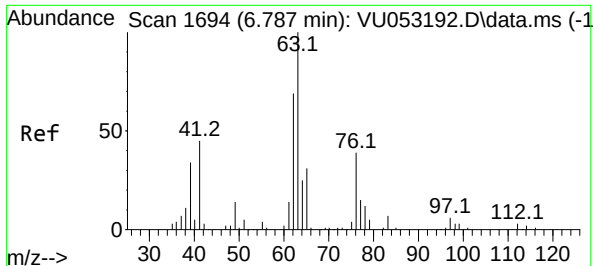
Ion Ratio Lower Upper

83 100

55 72.8 58.2 87.4

98 44.3 35.4 53.2

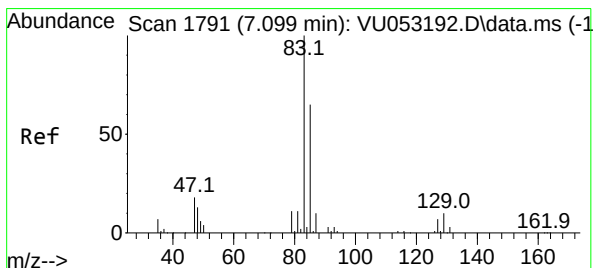
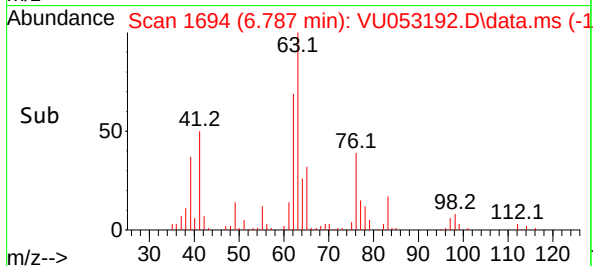
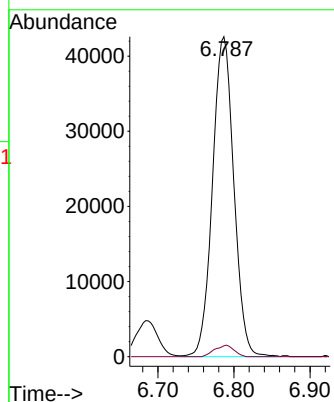
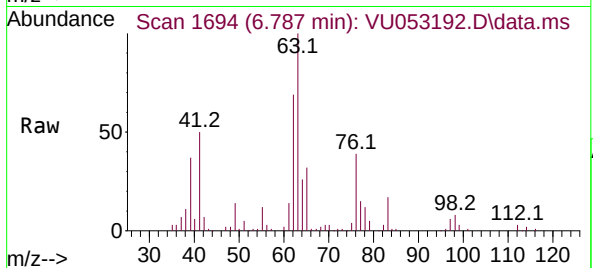




#37
1,2-Dichloropropane
Concen: 50.441 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

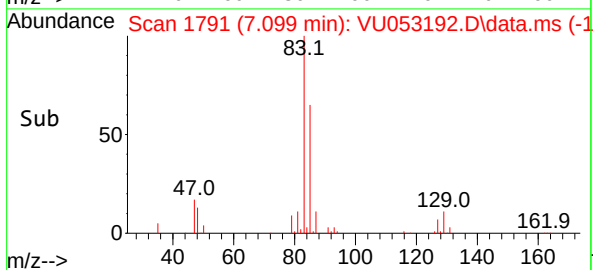
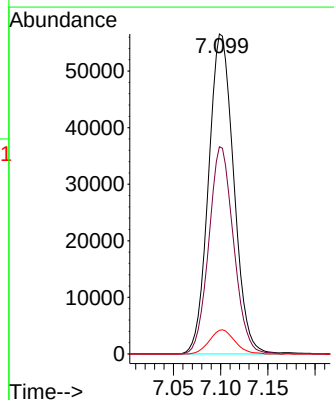
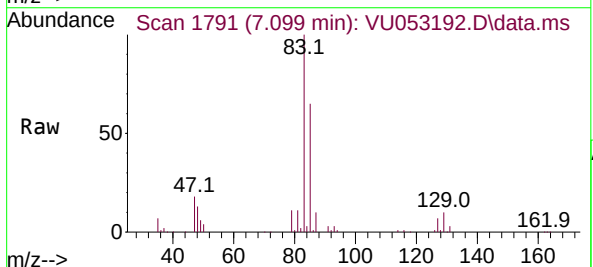
Instrument :
MSVOA_U
ClientSampleId :
VSTD050007

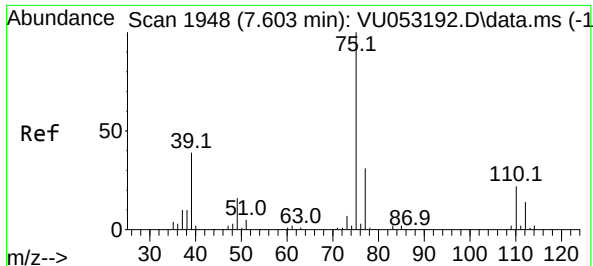
Tgt Ion: 63 Resp: 83025
Ion Ratio Lower Upper
63 100
112 3.2 2.6 3.8



#38
Bromodichloromethane
Concen: 50.762 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion: 83 Resp: 104818
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2
127 7.4 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 50.643 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

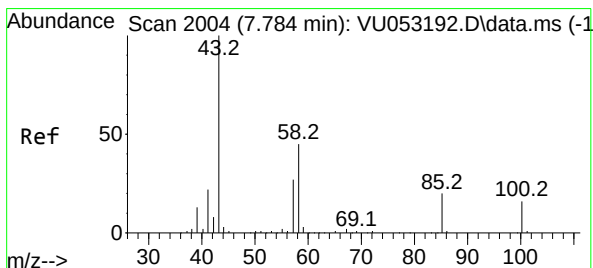
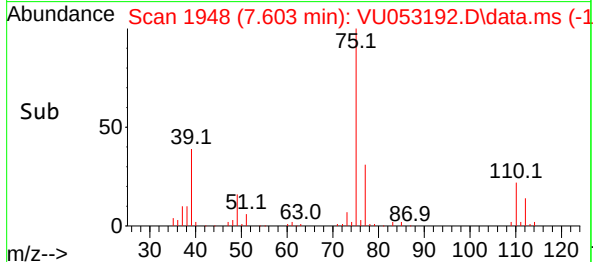
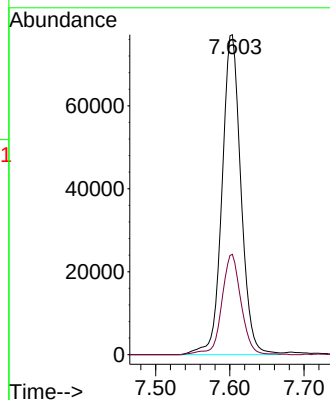
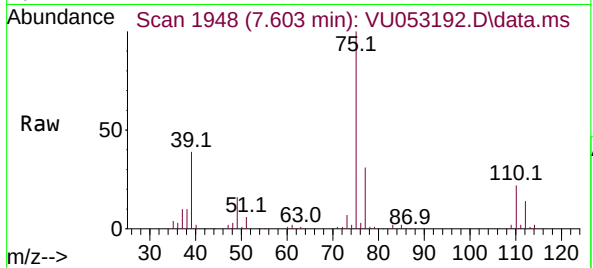
VSTD050007

Tgt Ion: 75 Resp: 136906

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 98.664 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

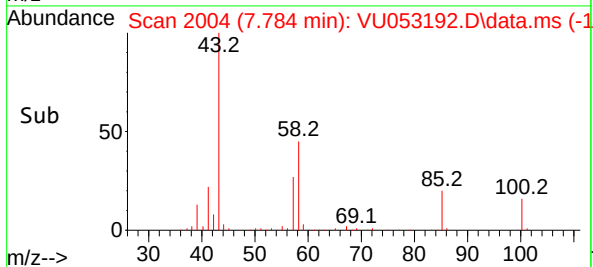
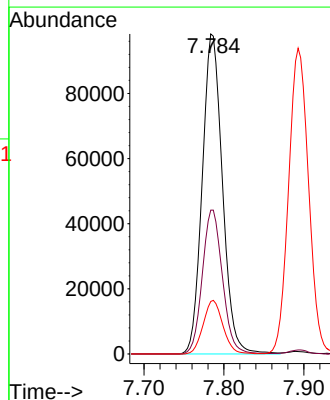
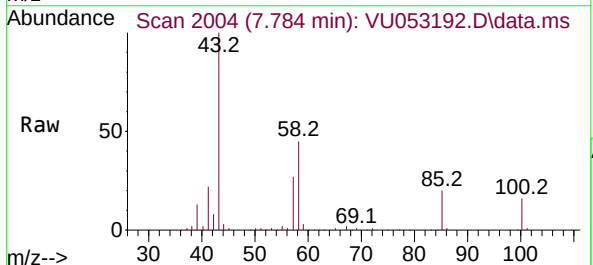
Tgt Ion: 43 Resp: 173143

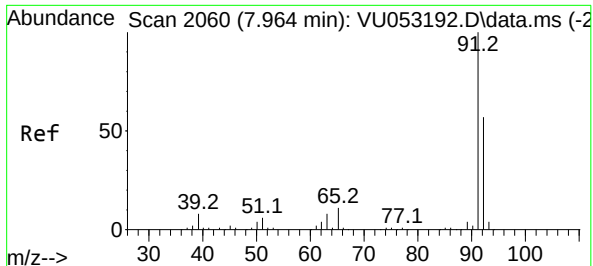
Ion Ratio Lower Upper

43 100

58 44.7 35.8 53.6

100 16.3 13.0 19.6





#42

Toluene

Concen: 50.723 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

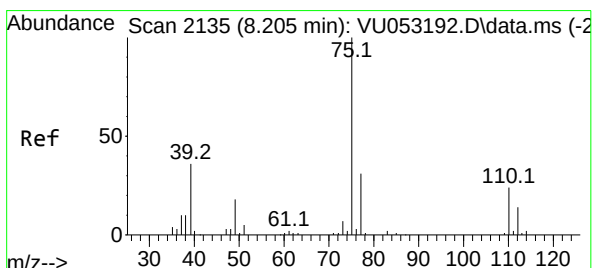
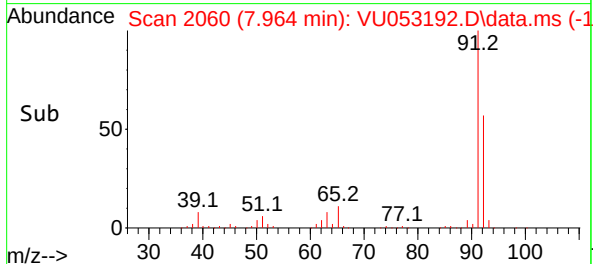
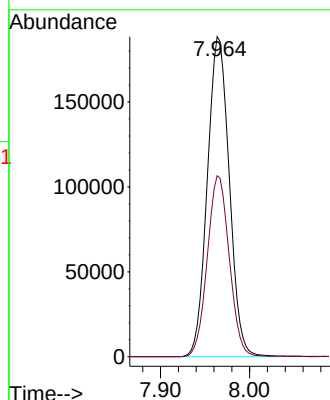
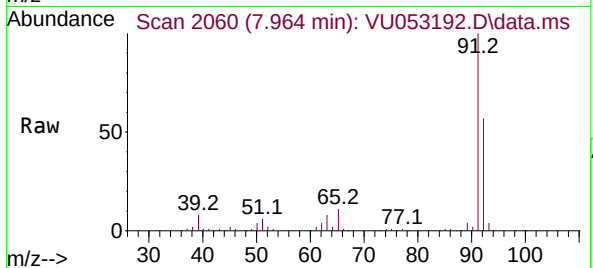
VSTD050007

Tgt Ion: 91 Resp: 322494

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 50.669 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053192.D

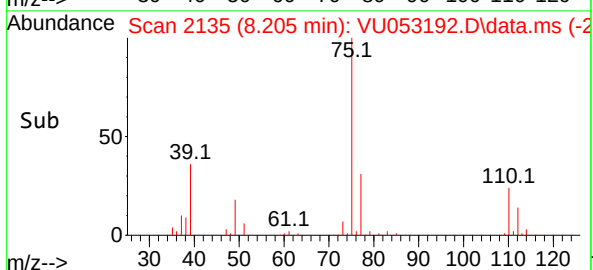
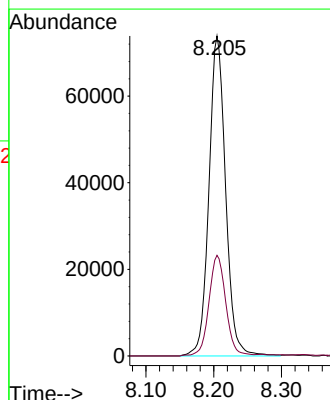
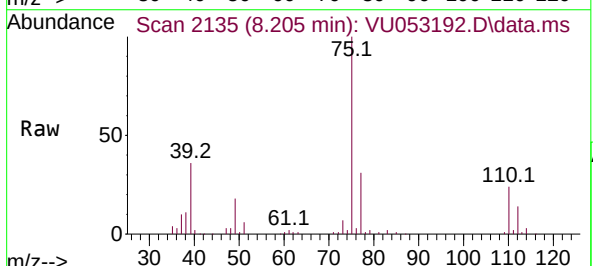
Acq: 15 Mar 2023 10:35

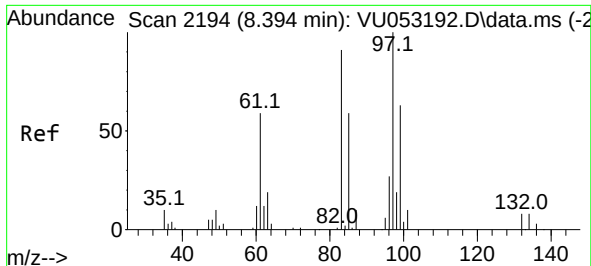
Tgt Ion: 75 Resp: 126334

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

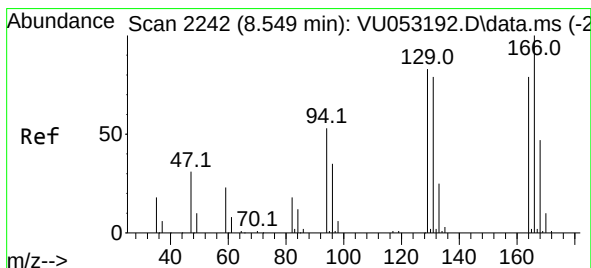
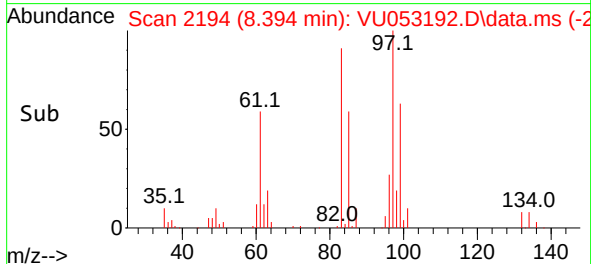
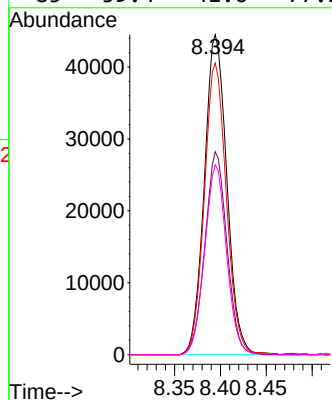
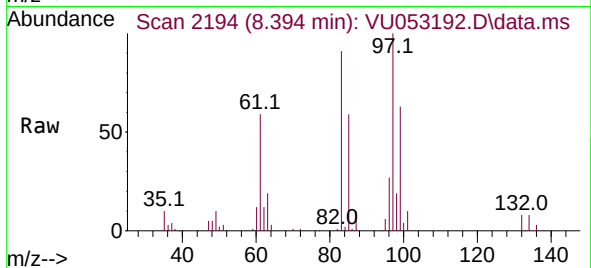




#45
1,1,2-Trichloroethane
Concen: 51.070 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

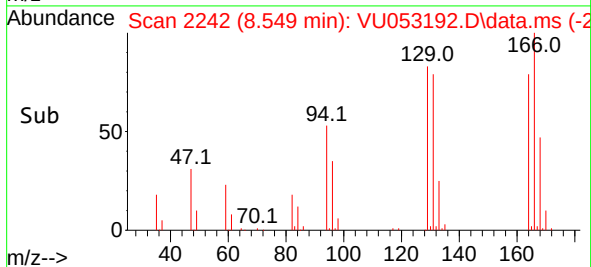
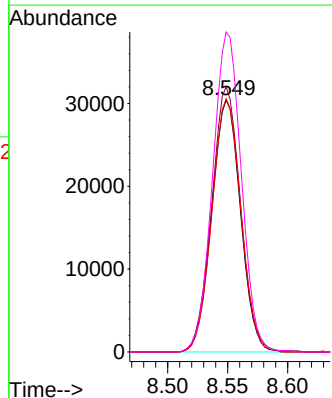
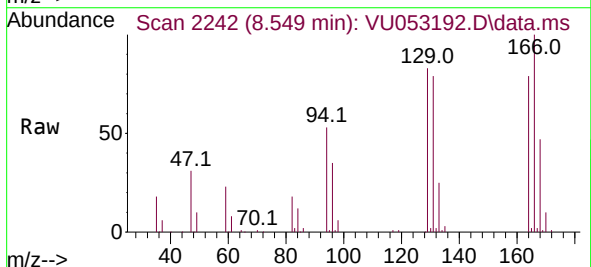
Instrument :
MSVOA_U
ClientSampleId :
VSTD050007

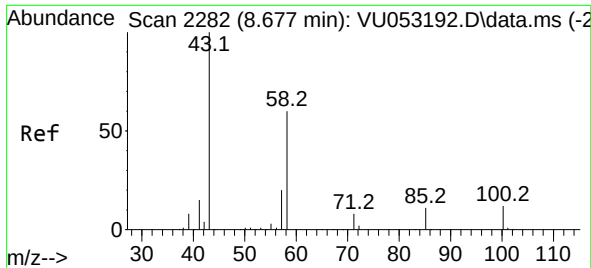
Tgt Ion:	97	Resp:	76001
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.4	82.4
83	91.2	63.8	118.6
85	59.4	41.6	77.2



#46
Tetrachloroethene
Concen: 49.735 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion:	164	Resp:	50700
Ion	Ratio	Lower	Upper
164	100		
129	105.2	73.6	136.8
131	100.5	70.3	130.7
166	127.0	88.9	165.1

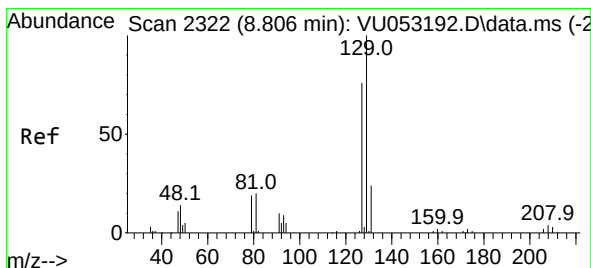
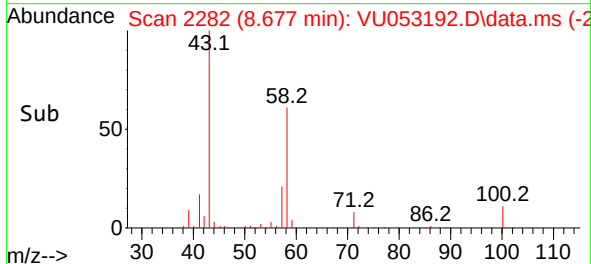
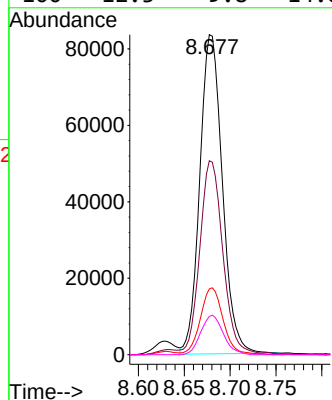
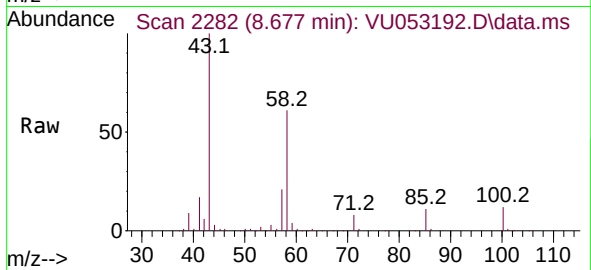




#48
2-Hexanone
Concen: 101.803 ug/L
RT: 8.677 min Scan# 2145
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

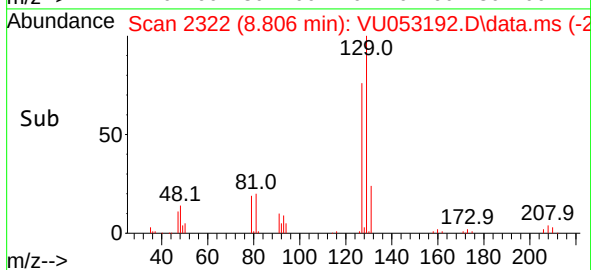
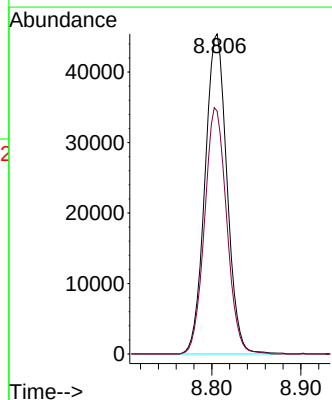
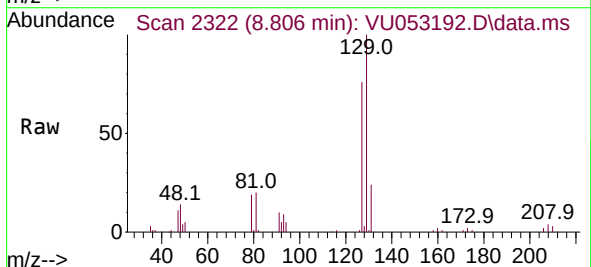
Instrument :
MSVOA_U
ClientSampleId :
VSTD050007

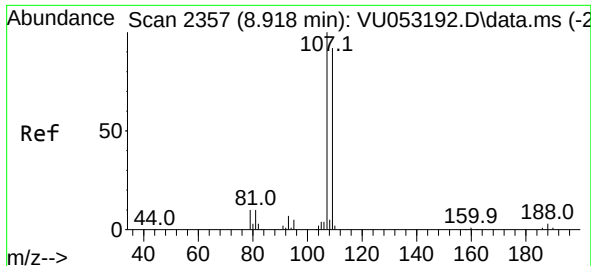
Tgt	Ion: 43	Resp:	143145
Ion	Ratio	Lower	Upper
43	100		
58	61.7	49.4	74.0
57	21.1	16.9	25.3
100	12.3	9.8	14.8



#49
Dibromochloromethane
Concen: 50.410 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion:129	Resp: 77690		
Ion Ratio	Lower	Upper	
129 100			
127 75.8	53.1	98.5	





#50

1,2-Dibromoethane

Concen: 51.402 ug/L

RT: 8.918 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

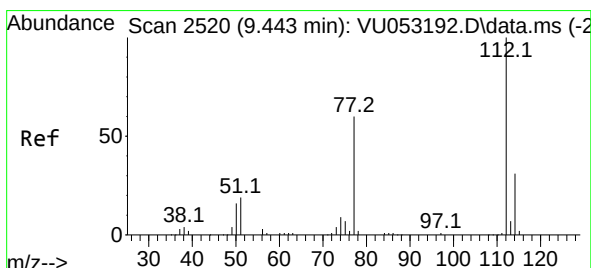
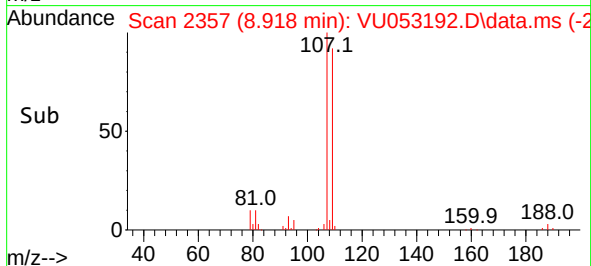
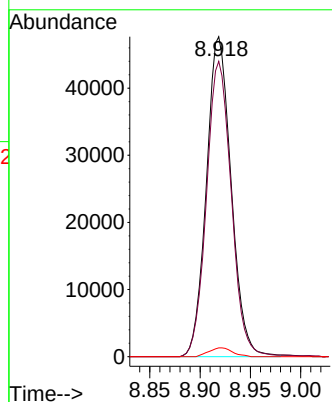
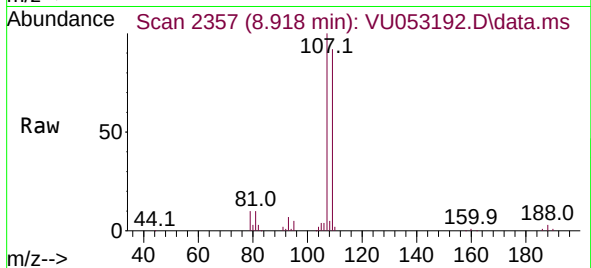
Tgt Ion:107 Resp: 81659

Ion Ratio Lower Upper

107 100

109 92.3 64.6 120.0

188 2.8 2.2 3.4



#51

Chlorobenzene

Concen: 50.585 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

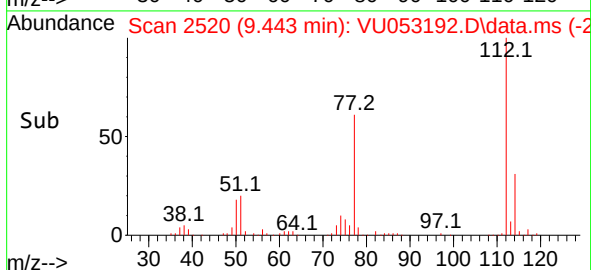
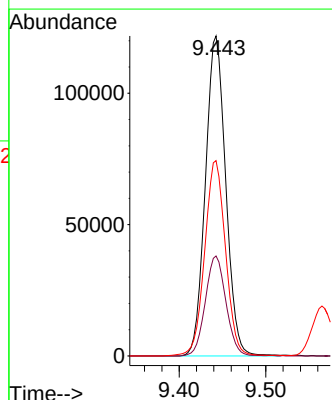
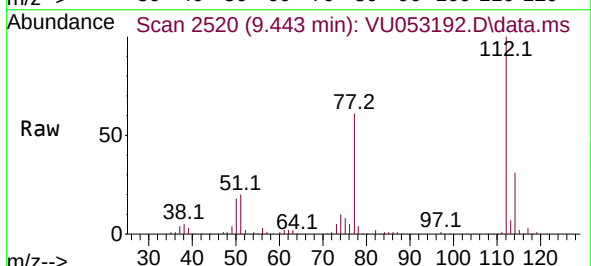
Tgt Ion:112 Resp: 199051

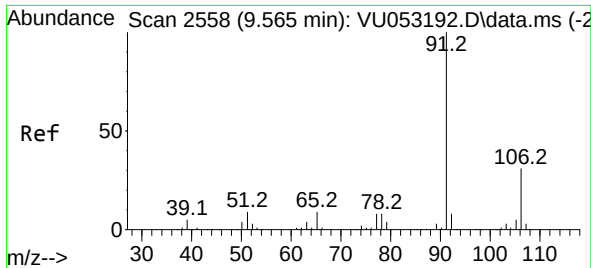
Ion Ratio Lower Upper

112 100

114 31.2 21.8 40.6

77 61.0 48.8 73.2

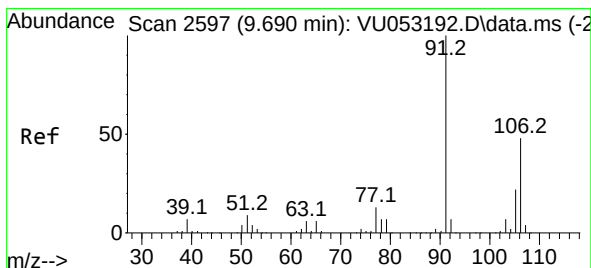
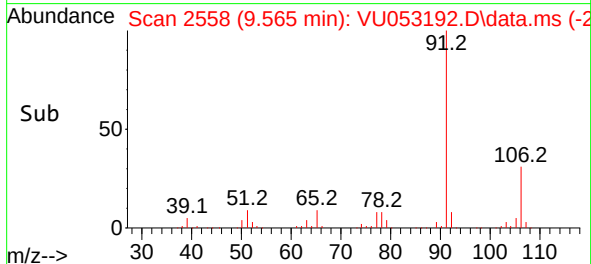
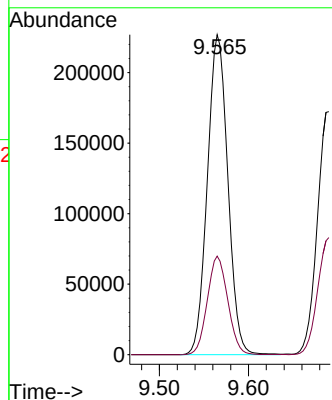
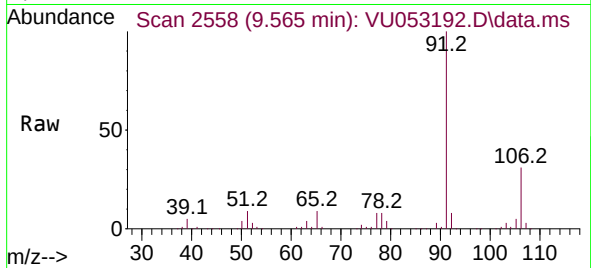




#52
Ethylbenzene
Concen: 51.081 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

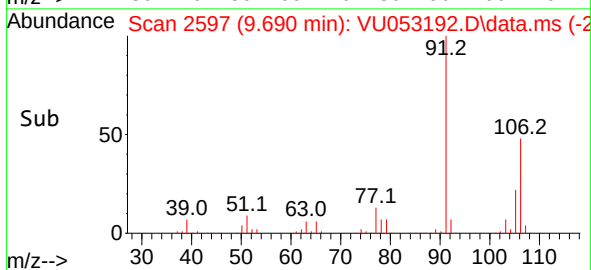
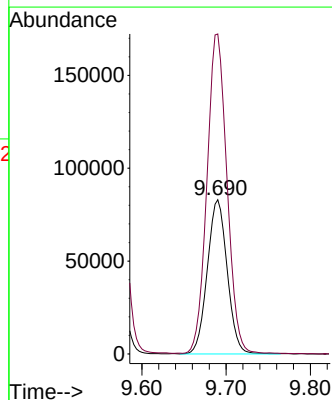
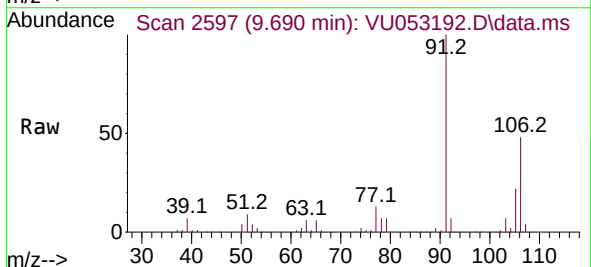
Instrument :
MSVOA_U
ClientSampleId :
VSTD050007

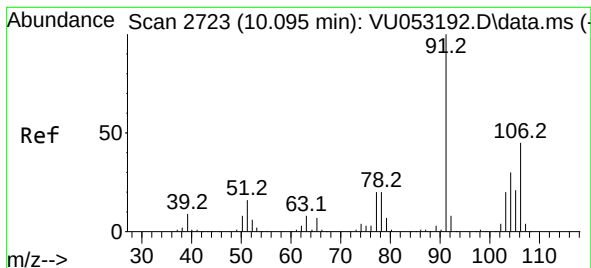
Tgt Ion: 91 Resp: 362030
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.0



#53
m,p-Xylene
Concen: 51.331 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion: 106 Resp: 136443
Ion Ratio Lower Upper
106 100
91 207.5 145.3 269.8





#54

o-Xylene

Concen: 51.087 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

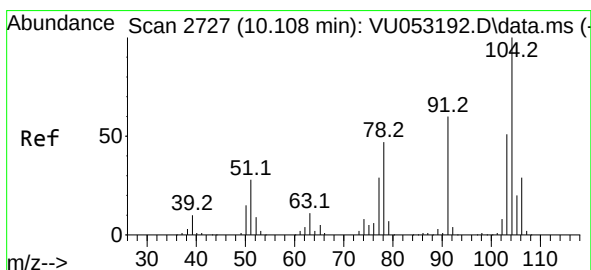
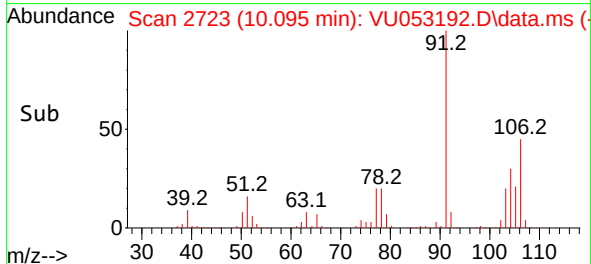
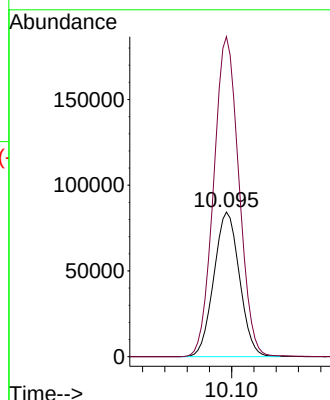
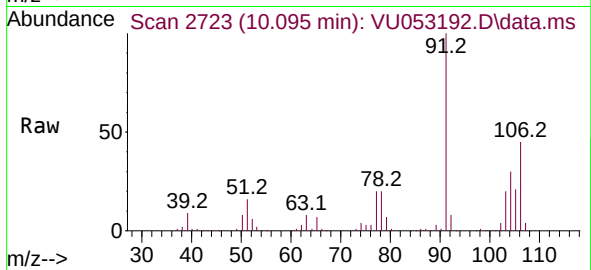
VSTD050007

Tgt Ion:106 Resp: 134945

Ion Ratio Lower Upper

106 100

91 221.3 154.9 287.7



#55

Styrene

Concen: 51.468 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053192.D

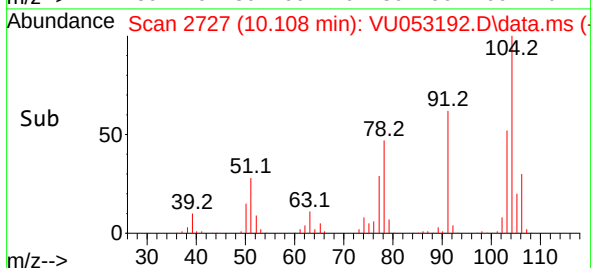
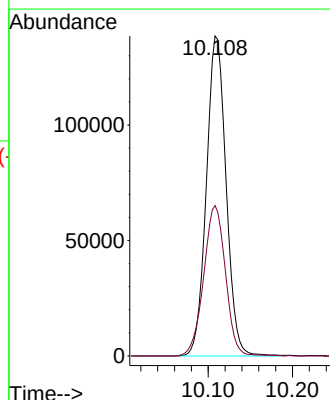
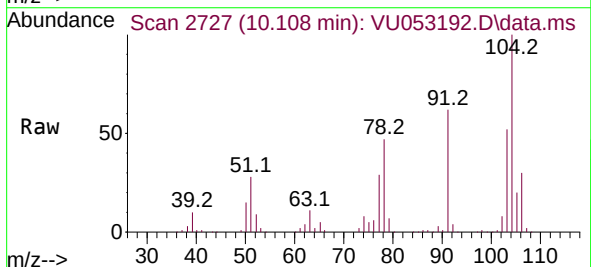
Acq: 15 Mar 2023 10:35

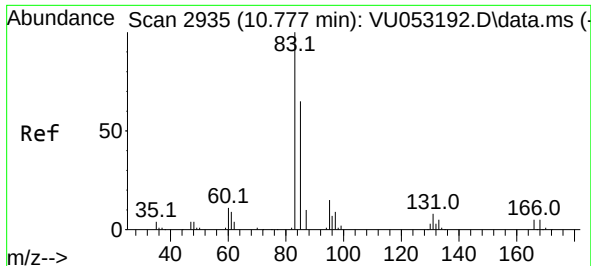
Tgt Ion:104 Resp: 225943

Ion Ratio Lower Upper

104 100

78 47.0 32.9 61.1

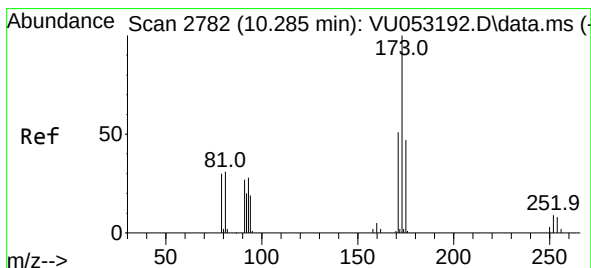
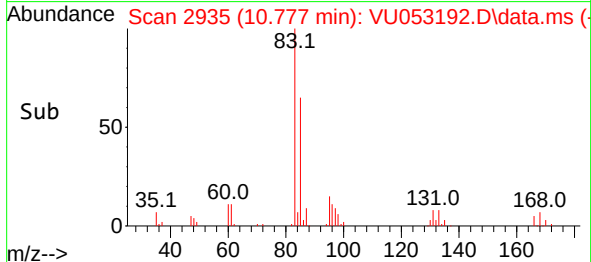
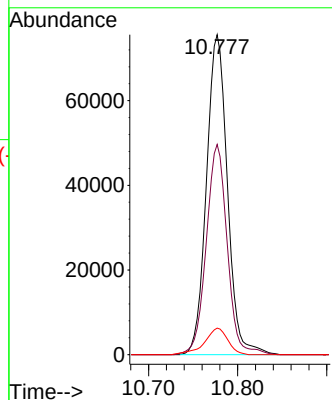
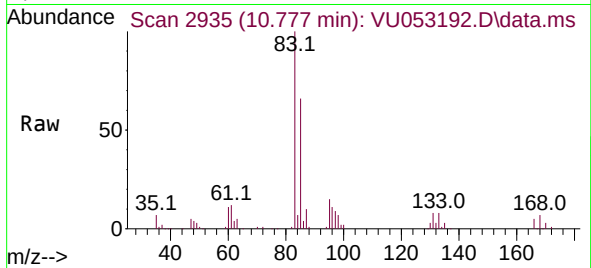




#57
 1,1,2,2-Tetrachloroethane
 Concen: 50.774 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

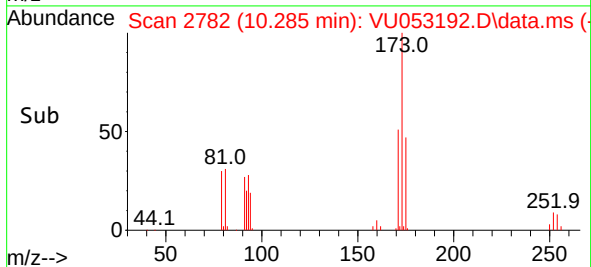
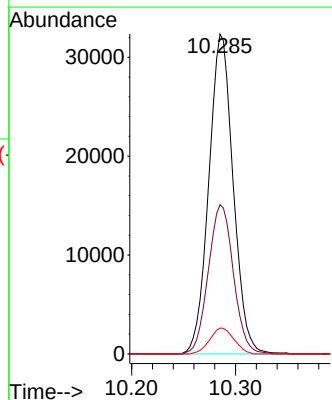
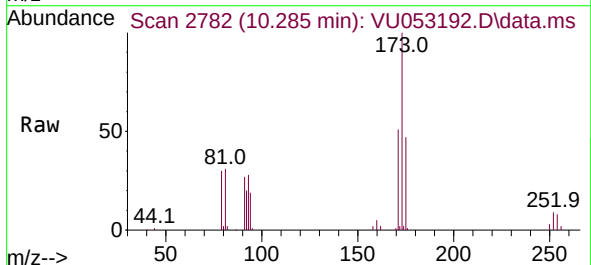
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050007

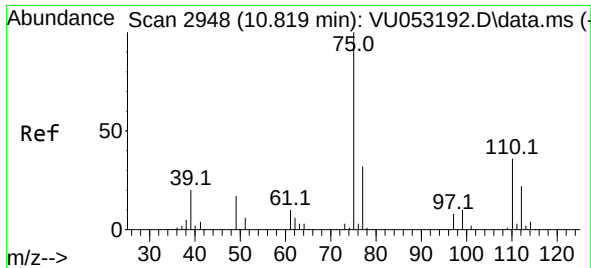
Tgt Ion: 83 Resp: 123493
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.0 85.4
 131 8.3 6.6 10.0



#59
 Bromoform
 Concen: 47.373 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

Tgt Ion:173 Resp: 52649
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.5 57.7
 254 8.1 6.5 9.7

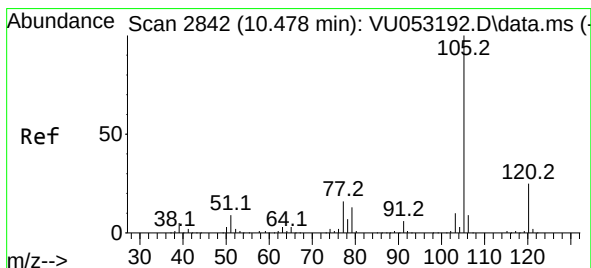
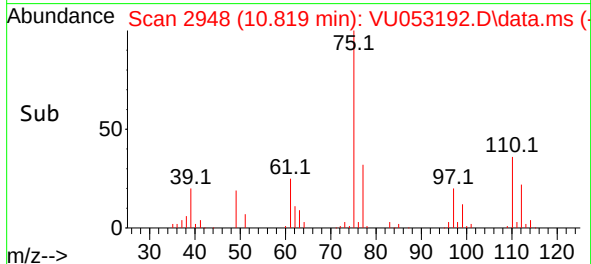
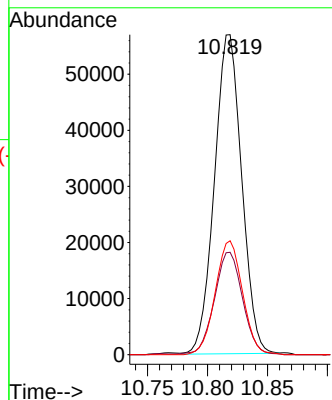
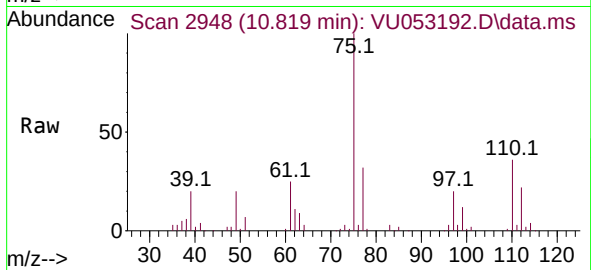




#60
1,2,3-Trichloropropane
Concen: 47.363 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

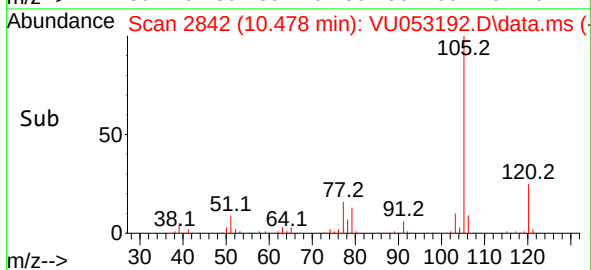
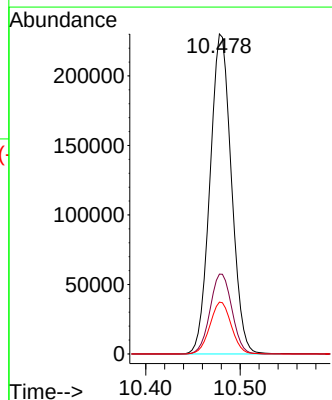
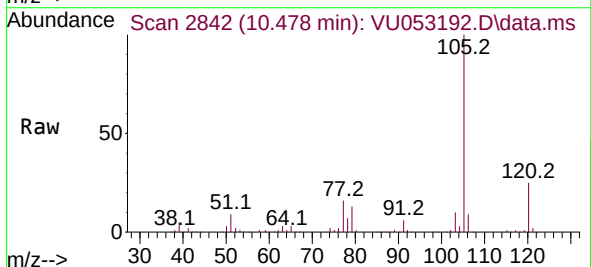
Instrument :
MSVOA_U
ClientSampleId :
VSTD050007

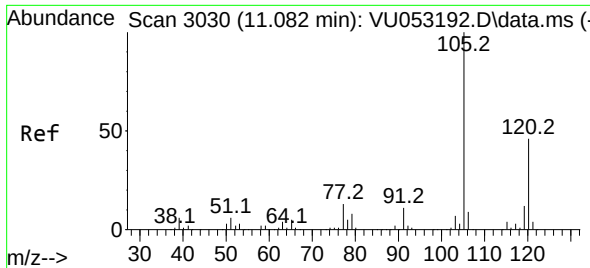
Tgt Ion:	75	Resp:	89905
Ion Ratio	Lower	Upper	
75	100		
77	33.3	26.6	40.0
110	35.7	28.6	42.8



#61
Isopropylbenzene
Concen: 49.789 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053192.D
Acq: 15 Mar 2023 10:35

Tgt Ion:	105	Resp:	362189
Ion Ratio	Lower	Upper	
105	100		
120	25.5	20.4	30.6
77	16.2	13.0	19.4

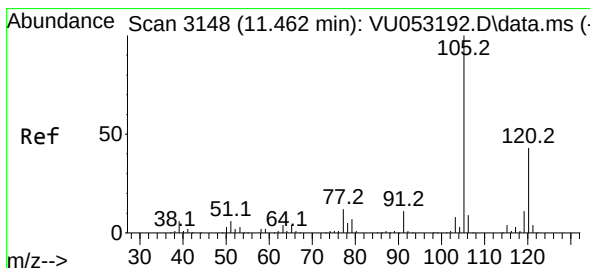
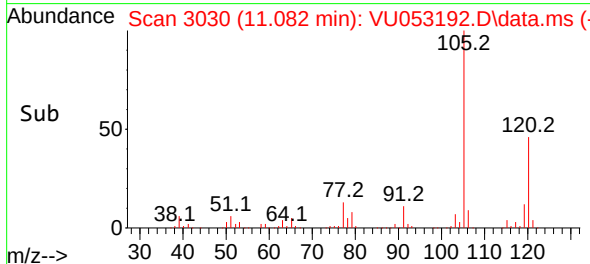
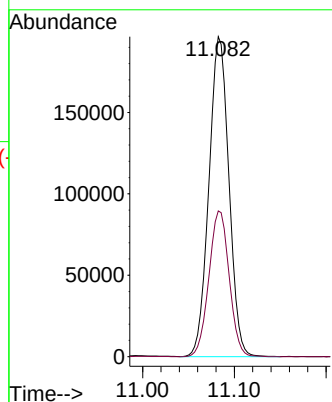
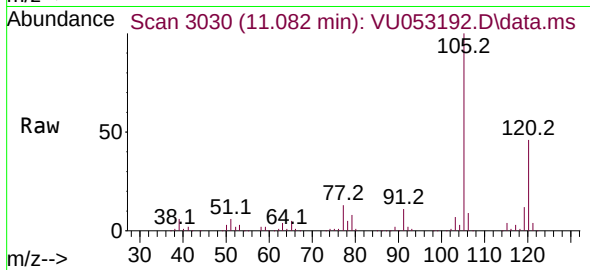




#62
 1,3,5-Trimethylbenzene
 Concen: 48.424 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

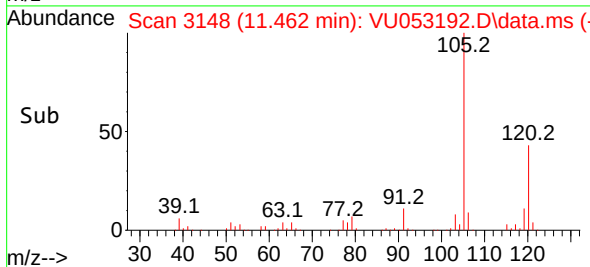
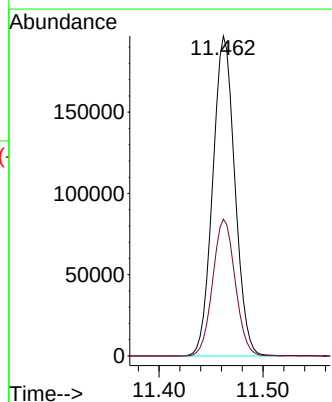
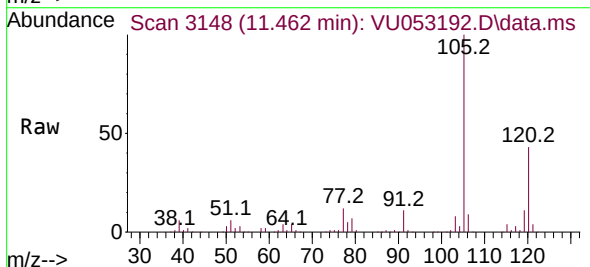
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050007

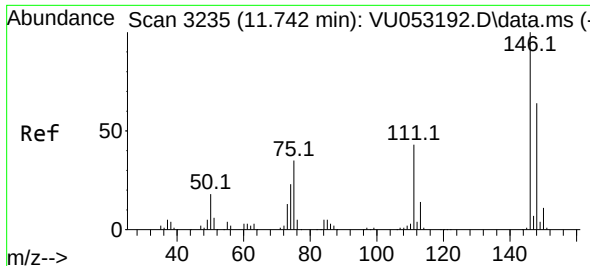
Tgt Ion:105 Resp: 297634
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.0 55.4



#63
 1,2,4-Trimethylbenzene
 Concen: 48.837 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

Tgt Ion:105 Resp: 291563
 Ion Ratio Lower Upper
 105 100
 120 43.3 34.6 52.0

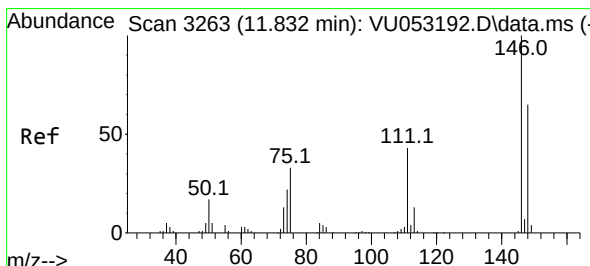
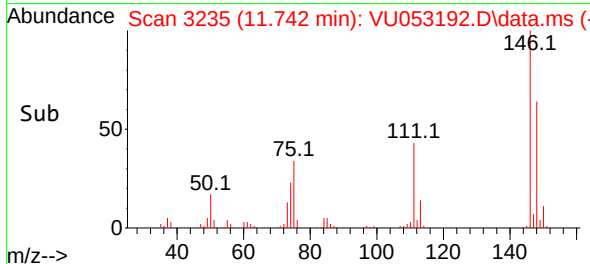
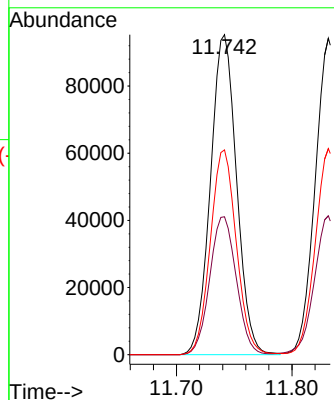
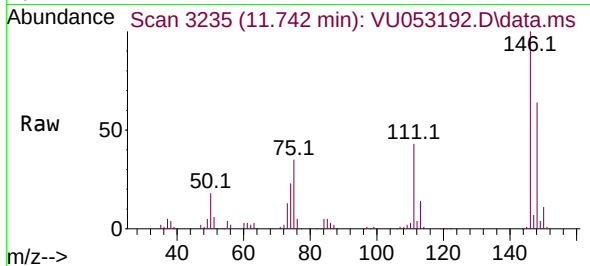




#64
 1,3-Dichlorobenzene
 Concen: 49.891 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

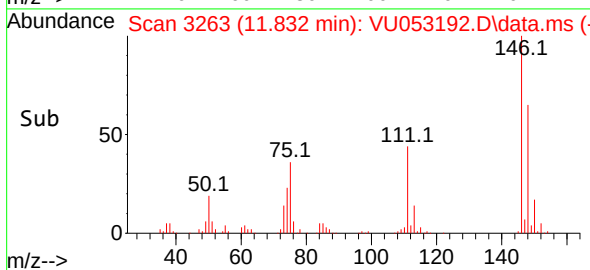
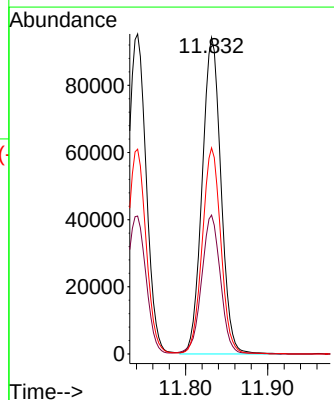
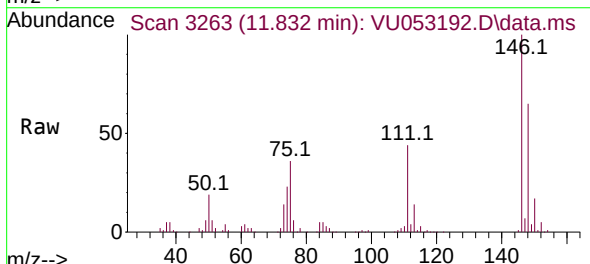
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050007

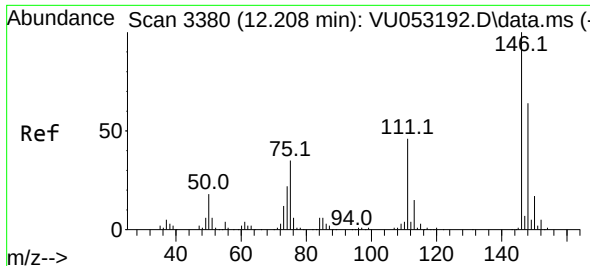
Tgt Ion:146 Resp: 149877
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.2 56.0
 148 64.0 44.8 83.2



#65
 1,4-Dichlorobenzene
 Concen: 49.419 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU053192.D
 Acq: 15 Mar 2023 10:35

Tgt Ion:146 Resp: 150402
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.7 57.1
 148 65.2 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 48.893 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

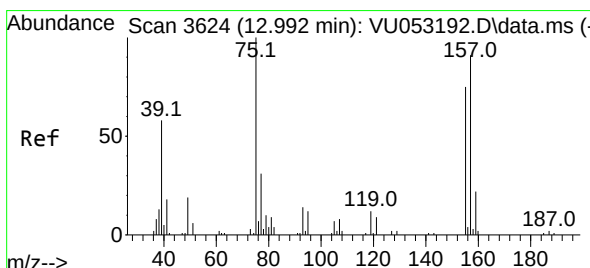
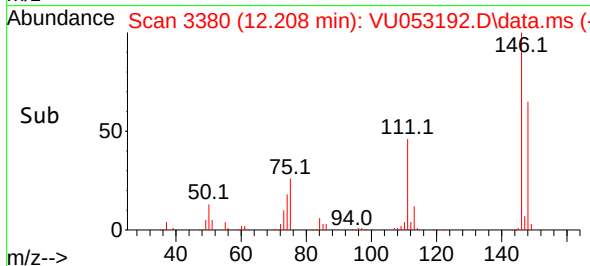
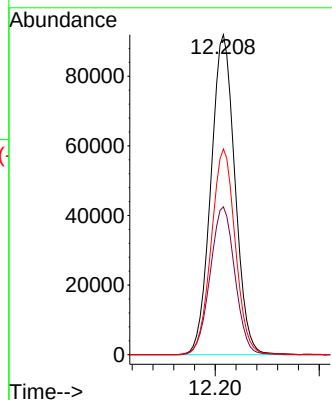
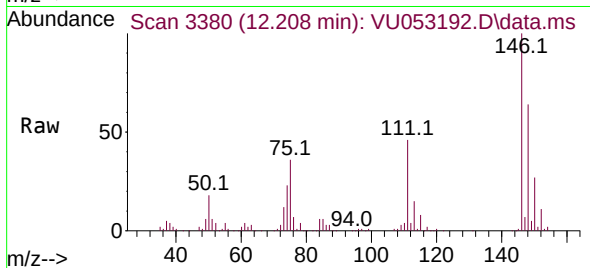
Tgt Ion:146 Resp: 147665

Ion Ratio Lower Upper

146 100

111 46.2 37.0 55.4

148 64.3 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.083 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

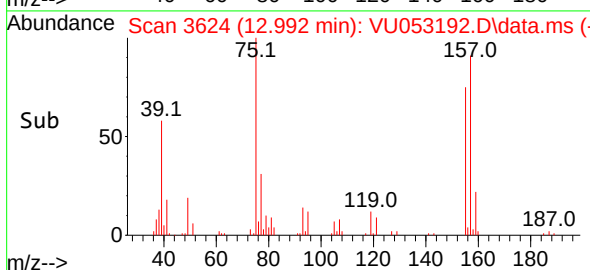
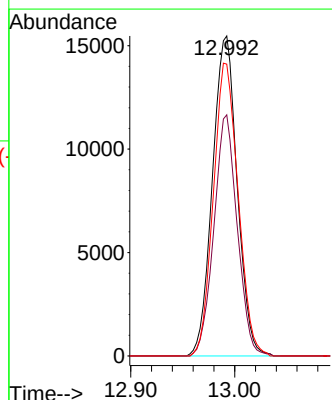
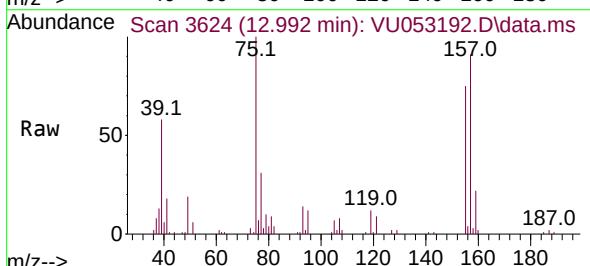
Tgt Ion: 75 Resp: 25513

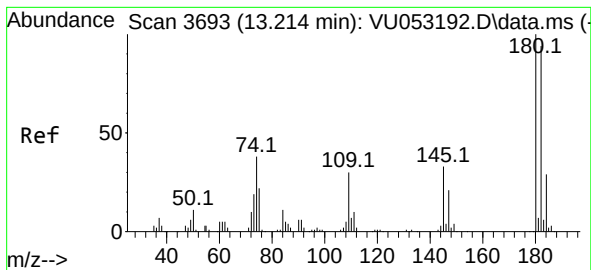
Ion Ratio Lower Upper

75 100

155 75.3 60.2 90.4

157 91.2 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 48.068 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

Tgt Ion:180 Resp: 97601

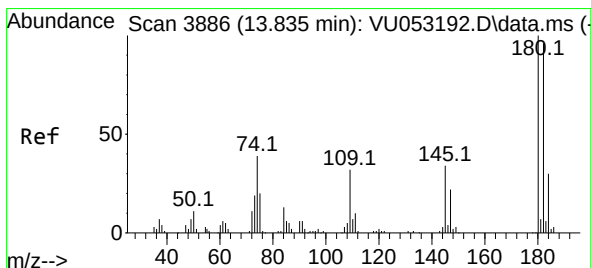
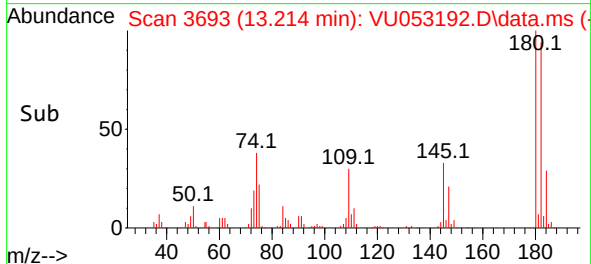
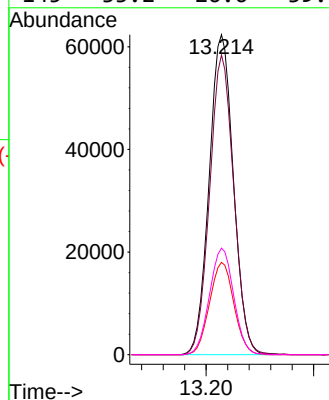
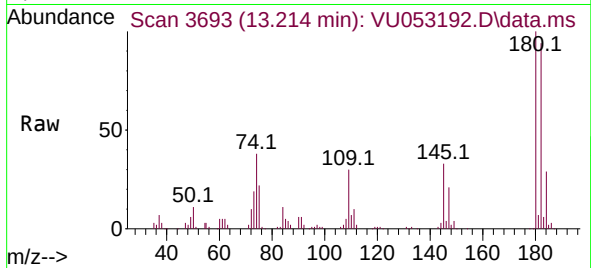
Ion Ratio Lower Upper

180 100

182 93.1 74.5 111.7

184 29.0 23.2 34.8

145 33.2 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 45.860 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

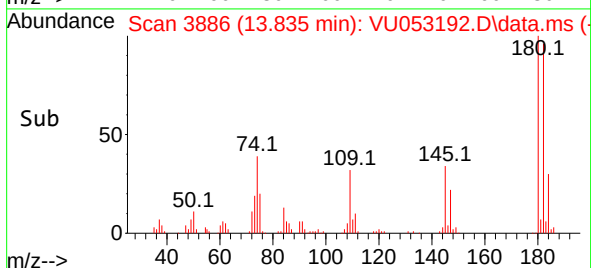
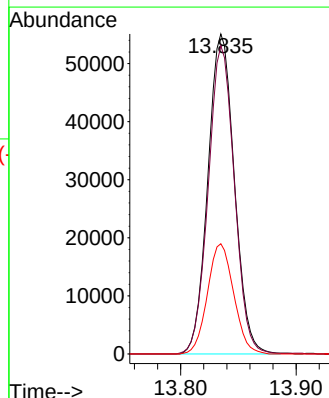
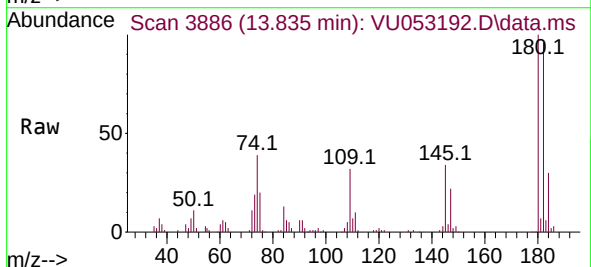
Tgt Ion:180 Resp: 87828

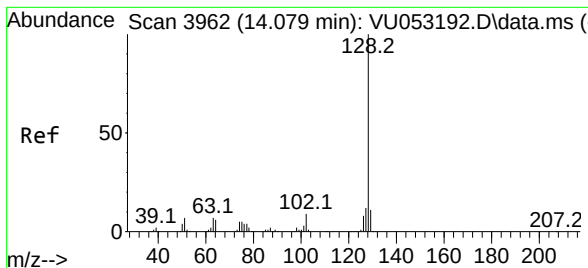
Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

145 34.0 27.2 40.8





#71

Naphthalene

Concen: 40.575 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050007

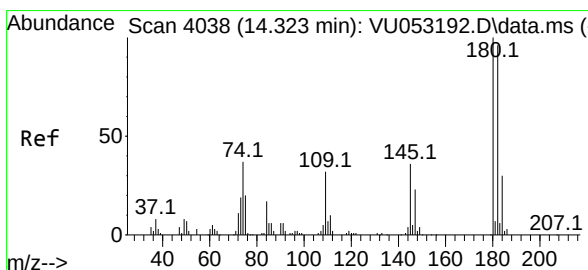
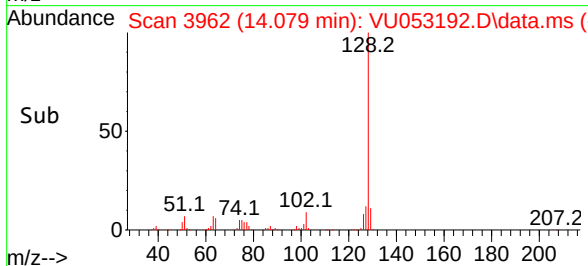
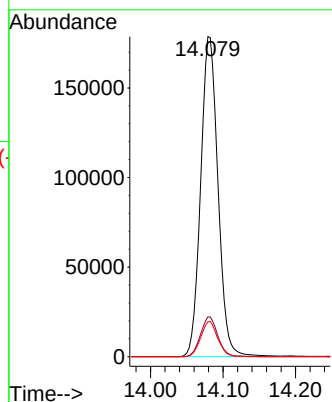
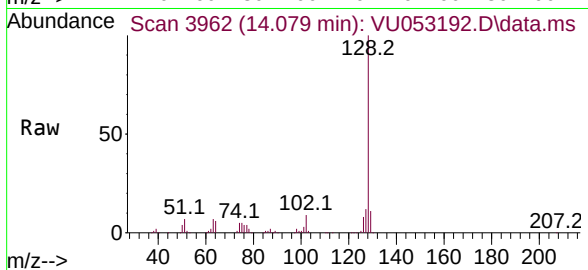
Tgt Ion:128 Resp: 296336

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: 44.066 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053192.D

Acq: 15 Mar 2023 10:35

Tgt Ion:180 Resp: 84037

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 35.7 28.6 42.8

