

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053194.D
 Acq On : 15 Mar 2023 11:22
 Operator : JC/MD
 Sample : VSTD20009
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200009

Quant Time: Mar 16 03:46:17 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	179150	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	174059	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	97649	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	331254	200.170	ug/L	0.00
7) Chloroethane-d5	1.912	69	279555	202.866	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	576920	204.010	ug/L	0.00
21) 2-Butanone-d5	4.620	46	310855	367.195	ug/L	0.00
24) Chloroform-d	5.057	84	544191	190.375	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	331202	182.798	ug/L	0.00
32) Benzene-d6	5.723	84	1133604	186.456	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	364613	183.859	ug/L	0.00
41) Toluene-d8	7.893	98	1057111	187.820	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	187038	186.013	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	247697	368.272	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	501757	190.307	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	388374	184.120	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	392782	213.668	ug/L	100
3) Chloromethane	1.520	50	345401	193.850	ug/L	100
5) Vinyl chloride	1.604	62	386889	202.376	ug/L	99
6) Bromomethane	1.858	94	248946	205.619	ug/L	96
8) Chloroethane	1.935	64	235719	203.495	ug/L	100
9) Trichlorofluoromethane	2.137	101	485243	197.248	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	296019	211.172	ug/L	98
12) 1,1-Dichloroethene	2.578	96	274962	208.666	ug/L	95
13) Acetone	2.636	43	331212	541.557	ug/L	100
14) Carbon disulfide	2.793	76	828723	195.149	ug/L	99
15) Methyl Acetate	2.944	43	241274	203.029	ug/L	99
16) Methylene chloride	3.044	84	303764	199.055	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	277761	206.970	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	938712	208.521	ug/L	98
19) 1,1-Dichloroethane	3.864	63	553031	208.893	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	324861	207.329	ug/L	96
22) 2-Butanone	4.700	43	402509	463.376	ug/L	99
23) Bromochloromethane	4.970	128	154022	208.778	ug/L	96
25) Chloroform	5.083	83	570023	211.094	ug/L	98
27) 1,2-Dichloroethane	5.790	62	435580	208.083	ug/L	100
29) Cyclohexane	5.385	56	518131	201.338	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	485661	200.831	ug/L	99
31) Carbon tetrachloride	5.520	117	405888	198.461	ug/L	99
33) Benzene	5.771	78	1222913	200.028	ug/L	100
34) Trichloroethene	6.536	95	321804	202.205	ug/L	98
35) Methylcyclohexane	6.758	83	561633	203.944	ug/L	99
37) 1,2-Dichloropropane	6.784	63	339890	200.818	ug/L	99
38) Bromodichloromethane	7.099	83	436282	205.478	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	580730	208.912	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	706934	391.767	ug/L	99
42) Toluene	7.964	91	1341084	205.132	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	538303	209.961	ug/L	99

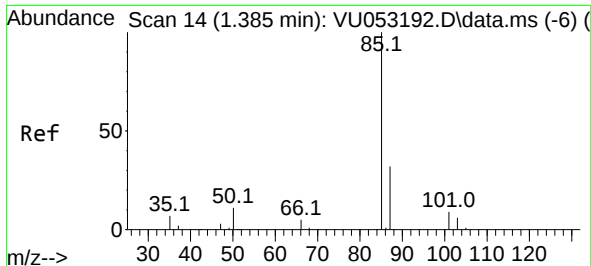
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
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Quant Time: Mar 16 03:46:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:43:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	318243	207.971	ug/L	98
46) Tetrachloroethene	8.549	164	217011	207.030	ug/L	99
48) 2-Hexanone	8.681	43	591954	409.416	ug/L	97
49) Dibromochloromethane	8.806	129	334139	210.848	ug/L	99
50) 1,2-Dibromoethane	8.919	107	343334	210.178	ug/L	100
51) Chlorobenzene	9.443	112	841457	207.961	ug/L	99
52) Ethylbenzene	9.565	91	1540944	211.445	ug/L	100
53) m,p-Xylene	9.690	106	583038	213.314	ug/L	100
54) o-Xylene	10.095	106	577860	212.752	ug/L	99
55) Styrene	10.108	104	991935	219.741	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	538223	215.204	ug/L	98
59) Bromoform	10.285	173	241666	203.342	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	389152	191.710	ug/L	99
61) Isopropylbenzene	10.478	105	1557614	200.230	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	1328645	202.144	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	1300853	203.759	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	674988	210.114	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	679886	208.903	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	678738	210.157	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	117133	197.845	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	455454	209.758	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	431167	210.529	ug/L	100
71) Naphthalene	14.082	128	1472197	188.499	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	413101	202.562	ug/L	99

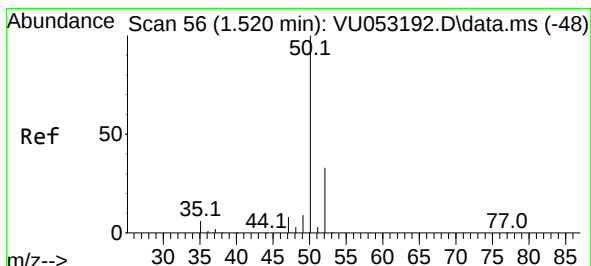
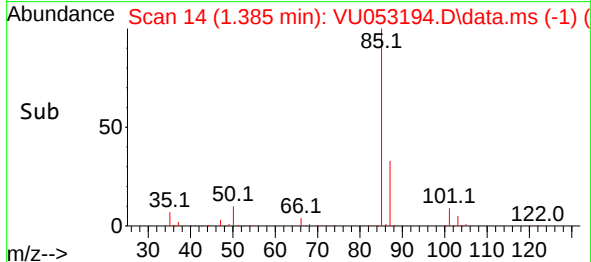
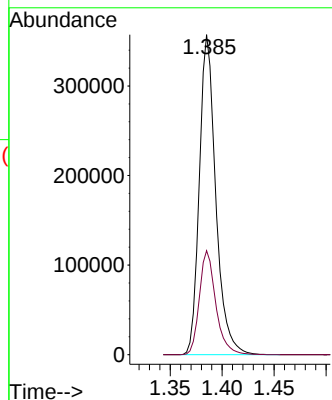
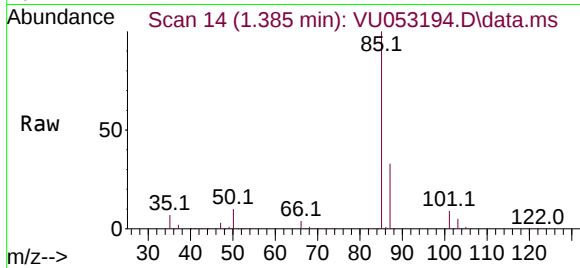
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 213.668 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

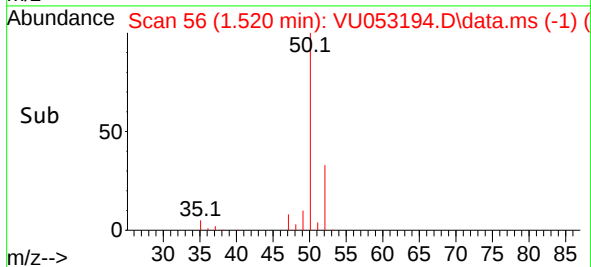
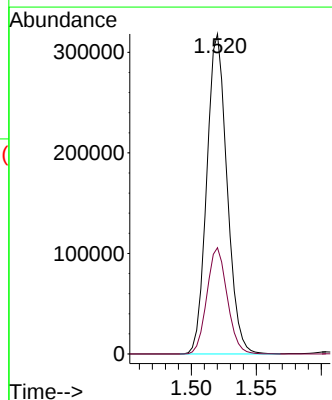
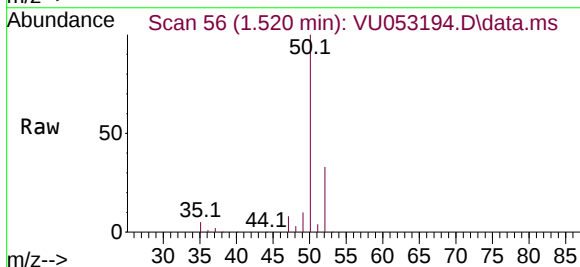
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

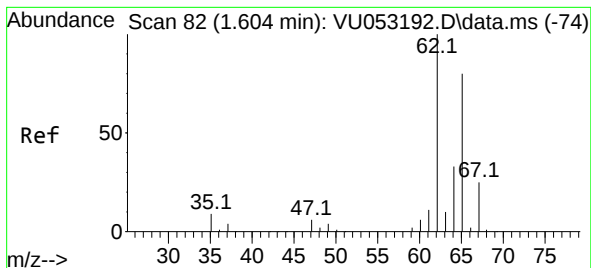
Tgt Ion: 85 Resp: 392782
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.8



#3
Chloromethane
Concen: 193.850 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 50 Resp: 345401
Ion Ratio Lower Upper
50 100
52 33.2 23.4 43.4





#5

Vinyl chloride

Concen: 202.376 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

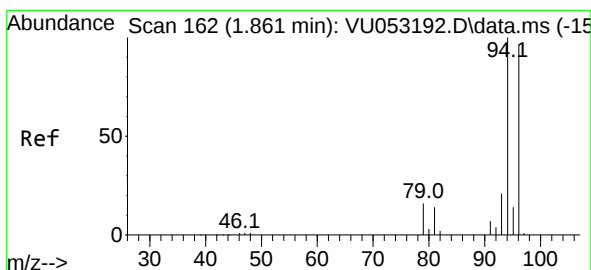
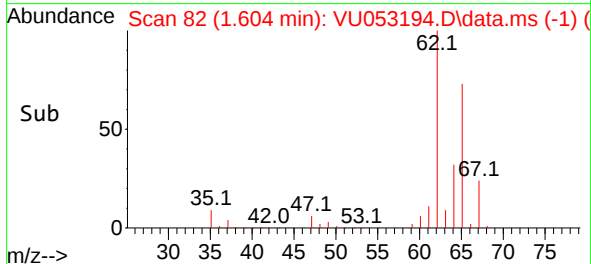
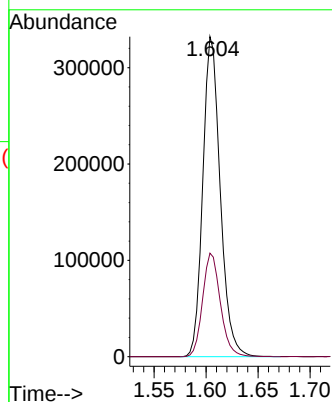
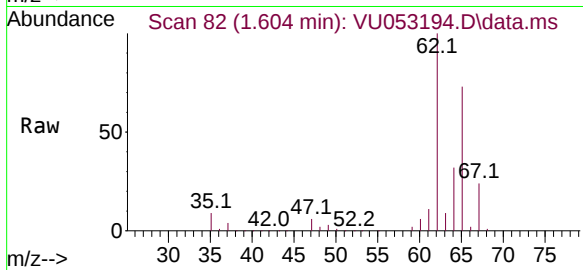
VSTD200009

Tgt Ion: 62 Resp: 386889

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



#6

Bromomethane

Concen: 205.619 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.003 min

Lab File: VU053194.D

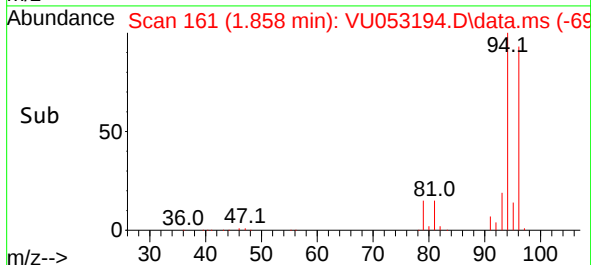
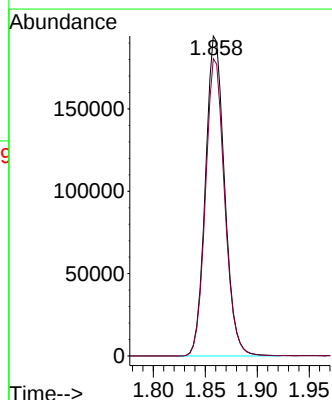
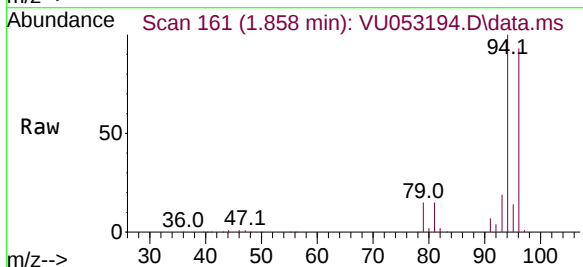
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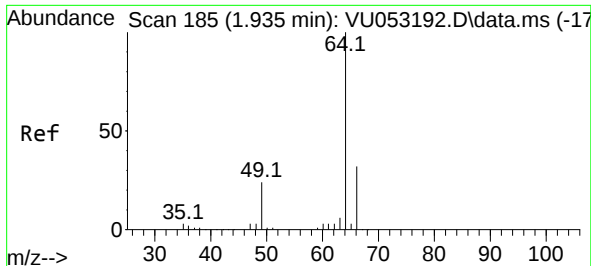
Tgt Ion: 94 Resp: 248946

Ion Ratio Lower Upper

94 100

96 92.9 67.5 125.3

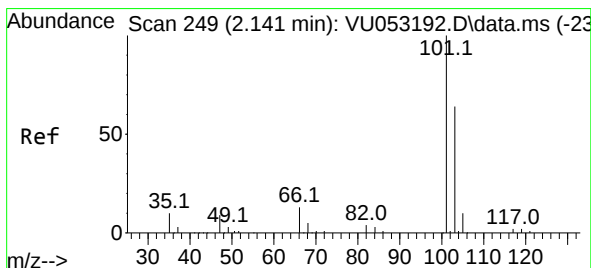
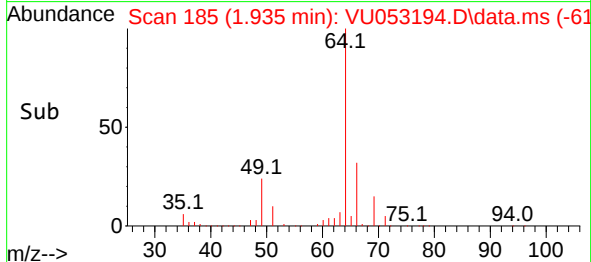
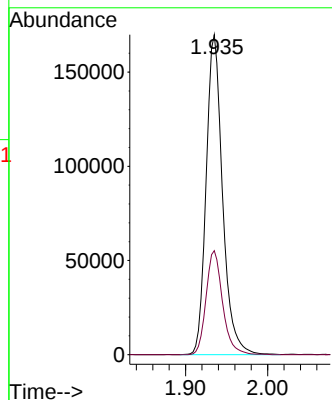
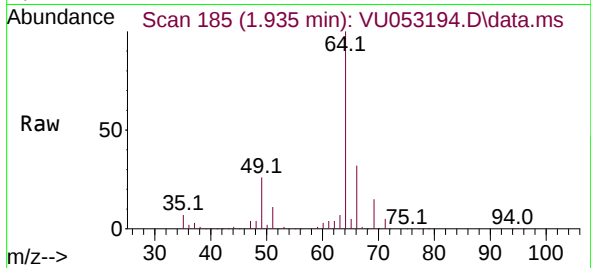




#8
Chloroethane
Concen: 203.495 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

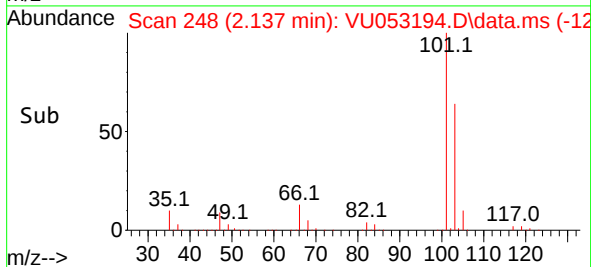
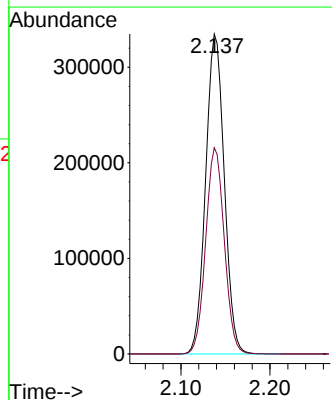
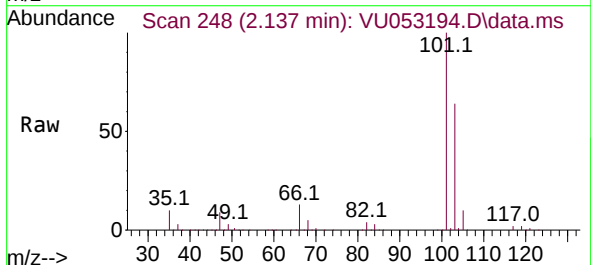
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

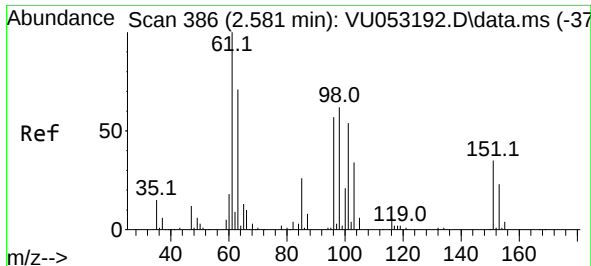
Tgt Ion: 64 Resp: 235719
Ion Ratio Lower Upper
64 100
66 32.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 197.248 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 101 Resp: 485243
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0

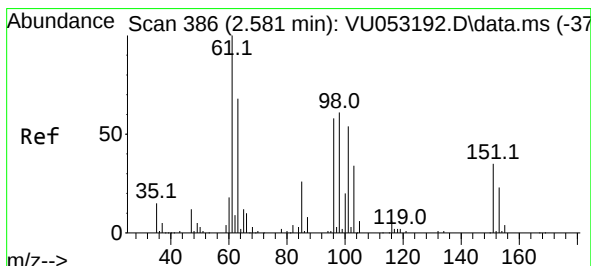
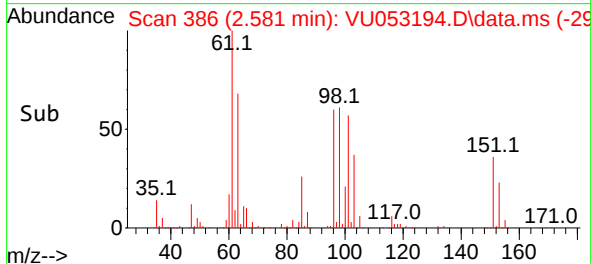
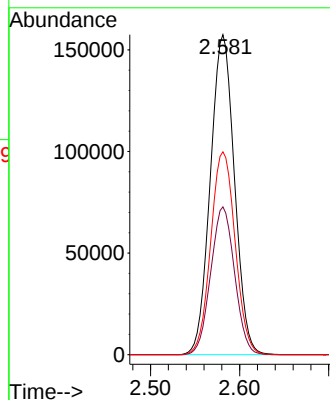
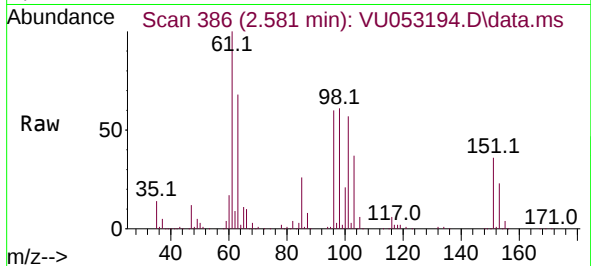




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 211.172 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053194.D
 Acq: 15 Mar 2023 11:22

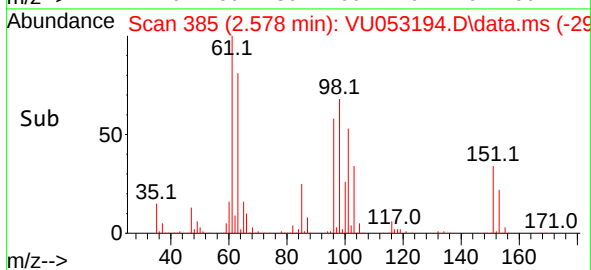
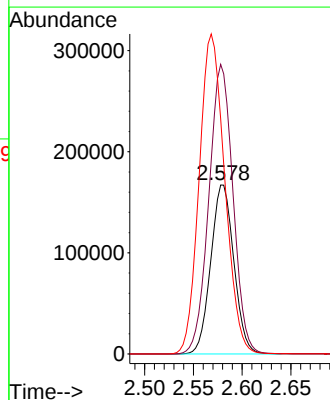
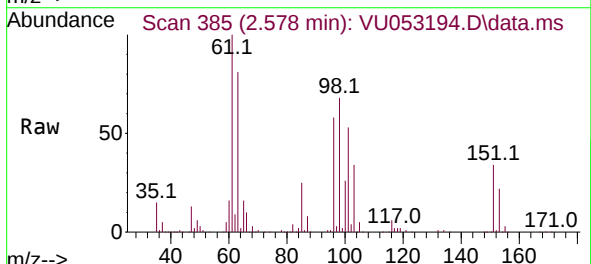
Instrument :
 MSVOA_U
 ClientSampleId :
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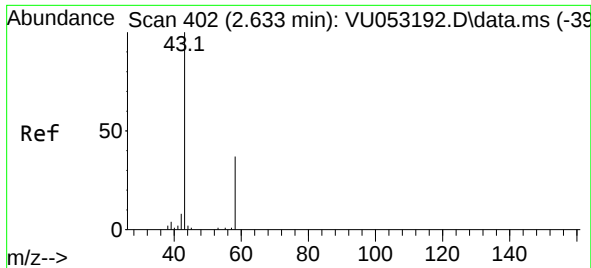
Tgt Ion:101 Resp: 296019
 Ion Ratio Lower Upper
 101 100
 85 45.7 37.0 55.6
 151 64.3 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 208.666 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053194.D
 Acq: 15 Mar 2023 11:22

Tgt Ion: 96 Resp: 274962
 Ion Ratio Lower Upper
 96 100
 61 171.5 122.2 226.9
 63 139.2 89.9 166.9





#13

Acetone

Concen: 541.557 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

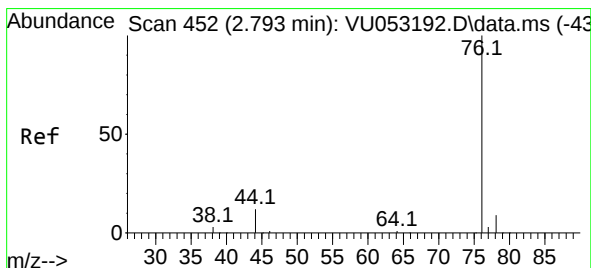
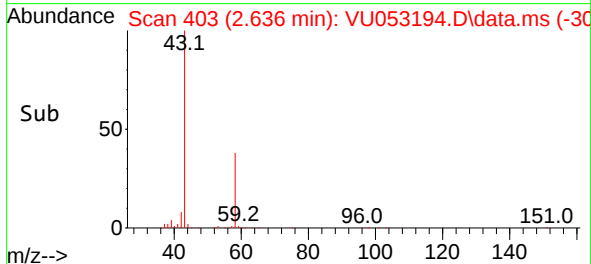
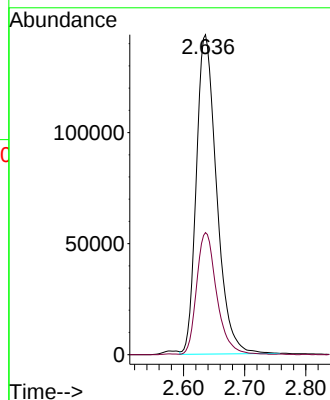
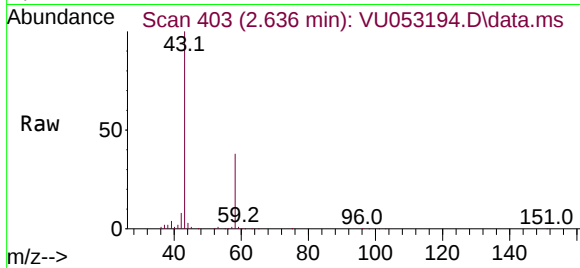
VSTD200009

Tgt Ion: 43 Resp: 331212

Ion Ratio Lower Upper

43 100

58 37.6 0.0 75.0



#14

Carbon disulfide

Concen: 195.149 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053194.D

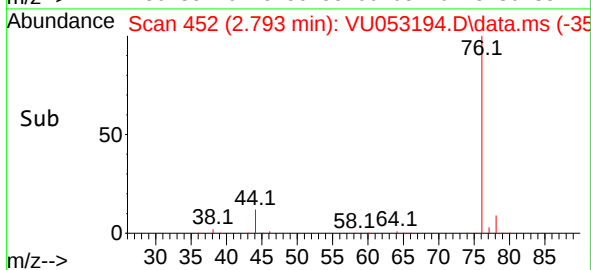
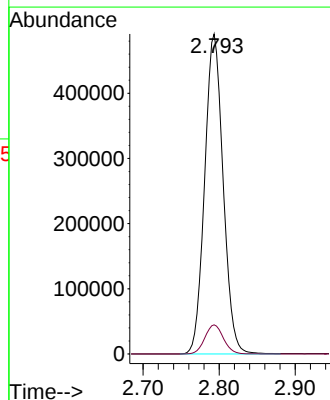
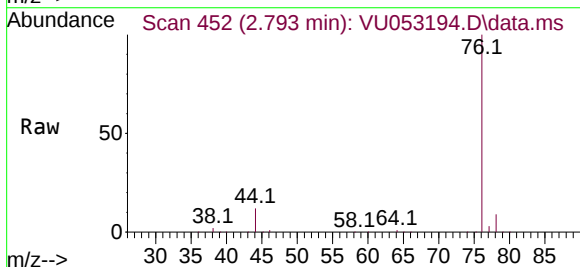
Acq: 15 Mar 2023 11:22

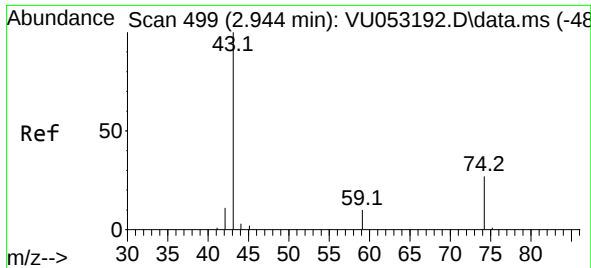
Tgt Ion: 76 Resp: 828723

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

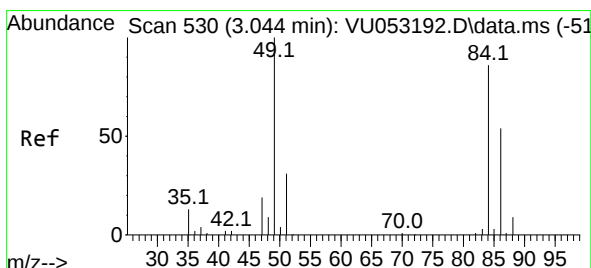
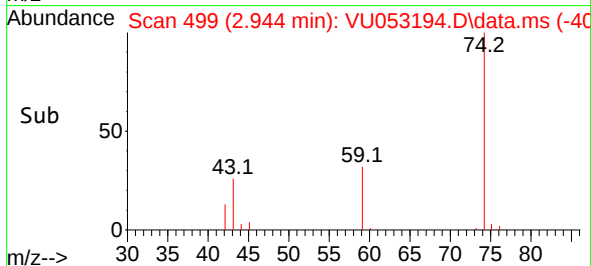
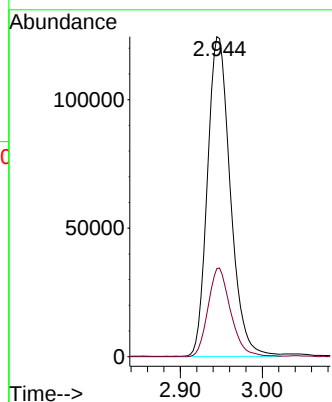
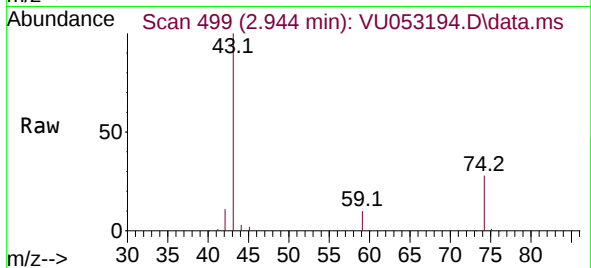




#15
Methyl Acetate
Concen: 203.029 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

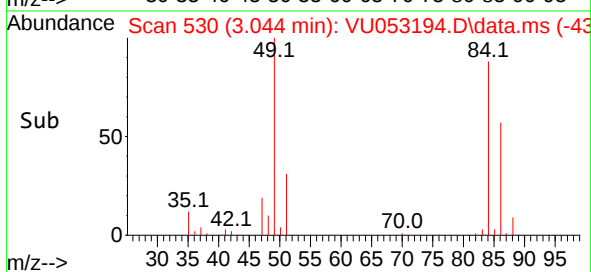
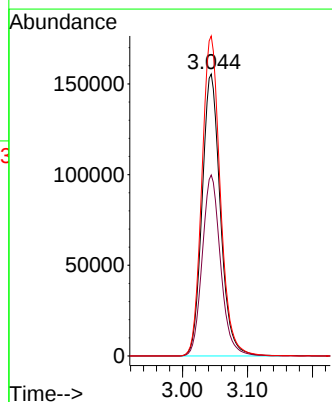
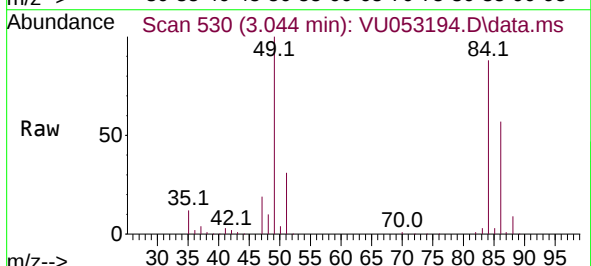
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

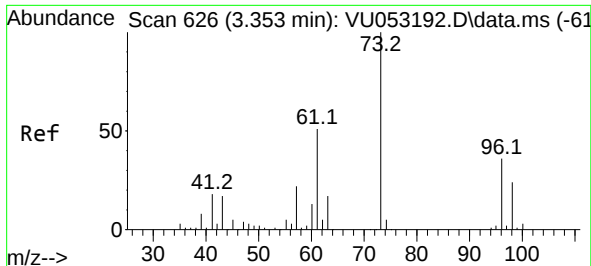
Tgt Ion: 43 Resp: 241274
Ion Ratio Lower Upper
43 100
74 27.5 21.4 32.0



#16
Methylene chloride
Concen: 199.055 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 84 Resp: 303764
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.4
49 113.5 81.6 151.6

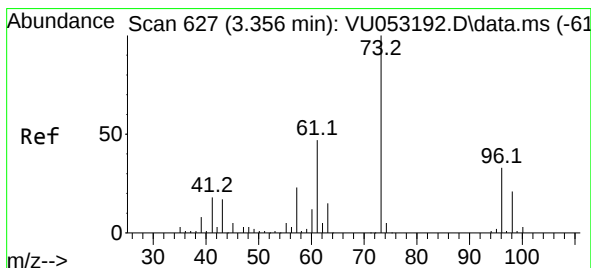
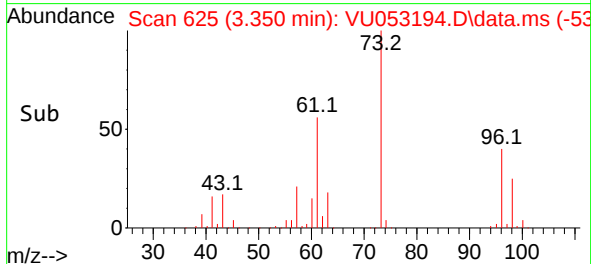
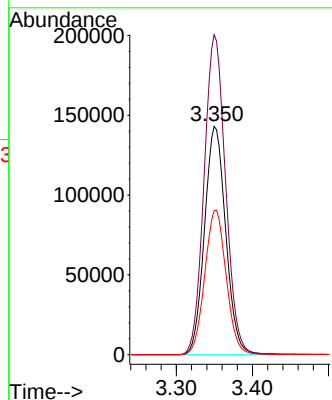
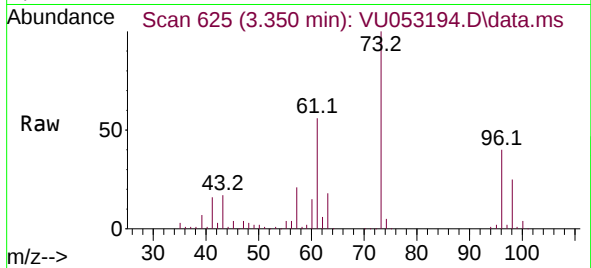




#17
trans-1,2-Dichloroethene
Concen: 206.970 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

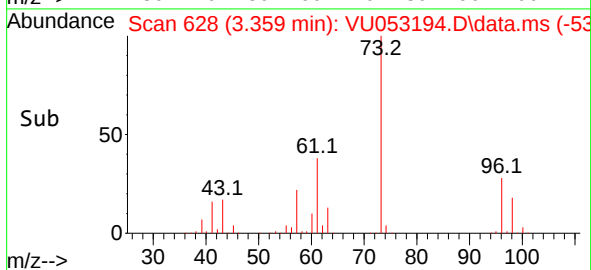
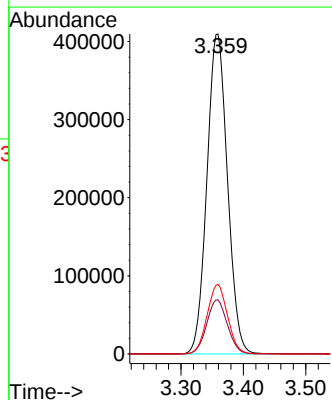
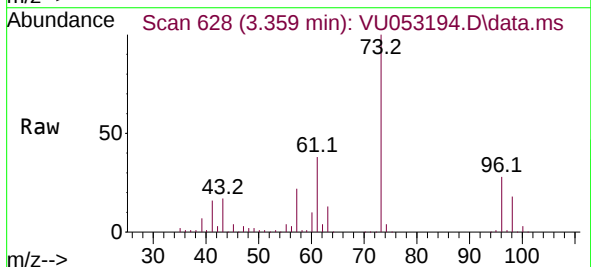
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

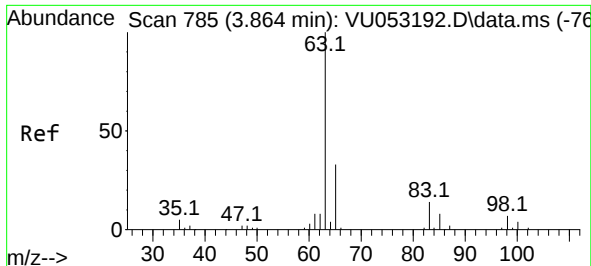
Tgt Ion: 96 Resp: 277761
Ion Ratio Lower Upper
96 100
61 140.1 99.6 185.0
98 63.1 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 208.521 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 73 Resp: 938712
Ion Ratio Lower Upper
73 100
43 16.9 14.2 21.2
57 21.6 18.0 27.0





#19

1,1-Dichloroethane

Concen: 208.893 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD200009

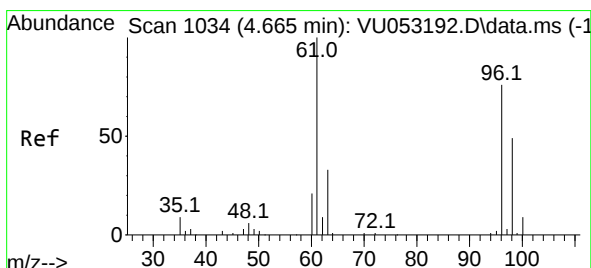
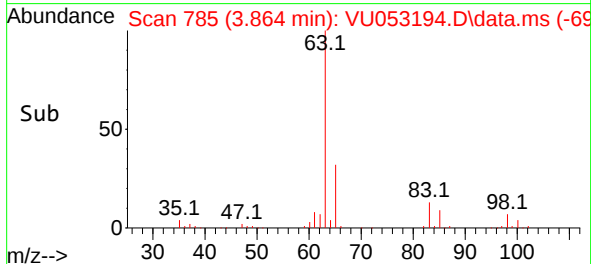
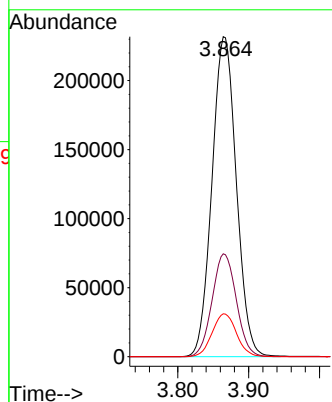
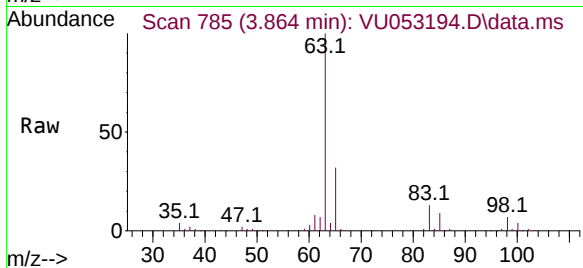
Tgt Ion: 63 Resp: 553031

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.4 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 207.329 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

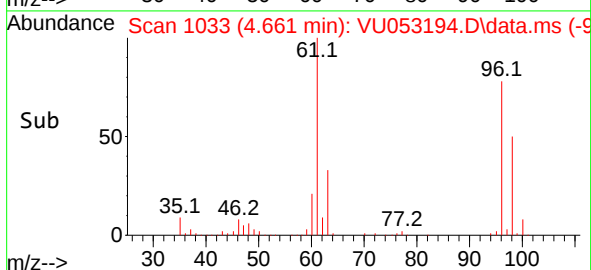
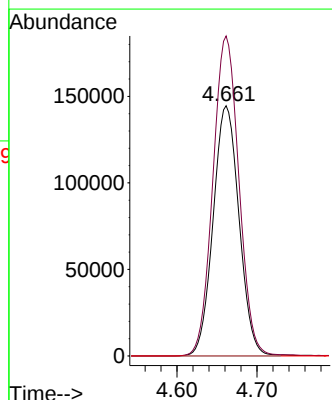
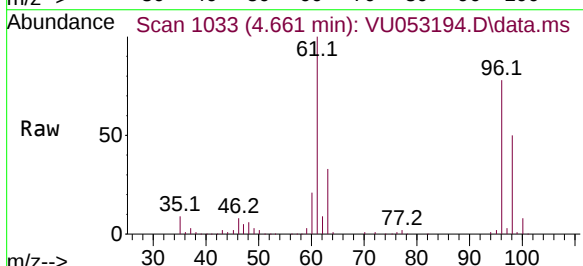
Tgt Ion: 96 Resp: 324861

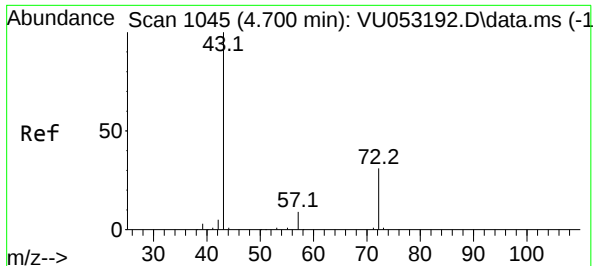
Ion Ratio Lower Upper

96 100

61 127.9 92.5 171.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 463.376 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

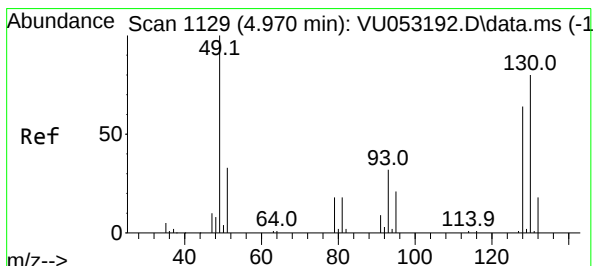
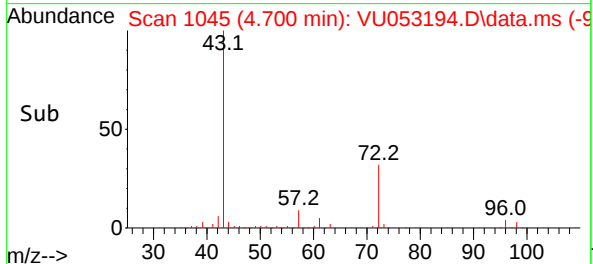
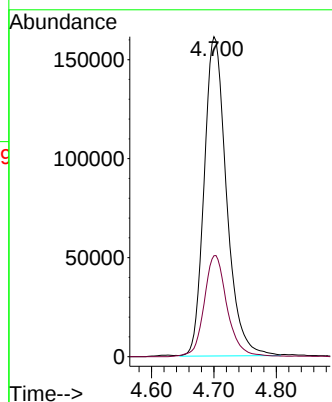
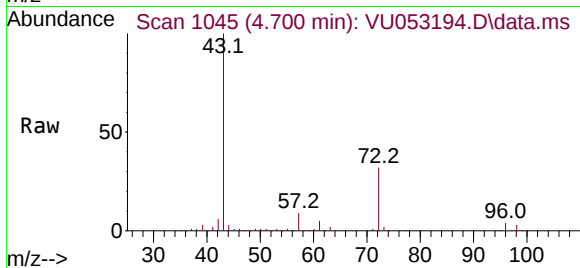
VSTD200009

Tgt Ion: 43 Resp: 402509

Ion Ratio Lower Upper

43 100

72 32.6 16.0 47.9



#23

Bromochloromethane

Concen: 208.778 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Tgt Ion:128 Resp: 154022

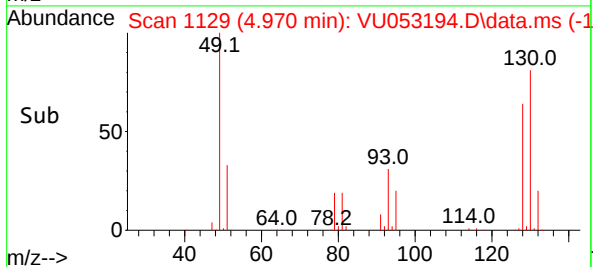
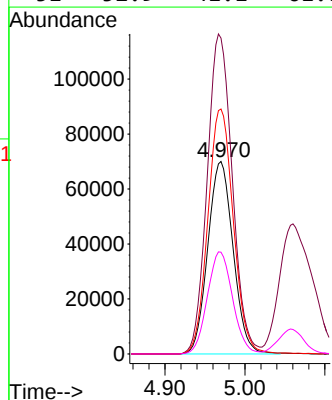
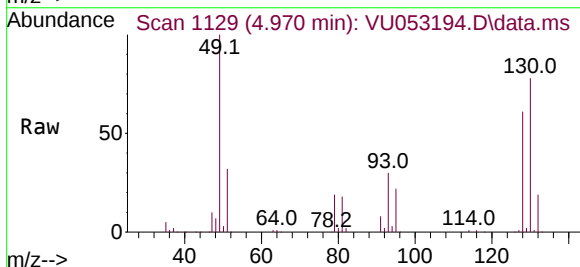
Ion Ratio Lower Upper

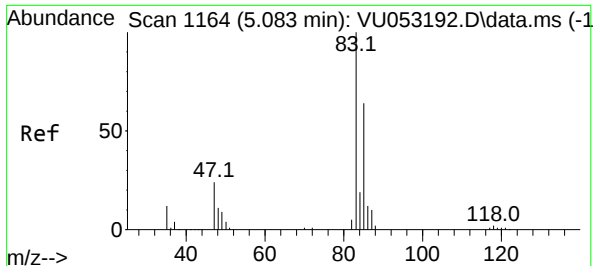
128 100

49 164.2 109.9 204.1

130 127.3 87.2 161.9

51 52.9 41.1 61.7





#25

Chloroform

Concen: 211.094 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

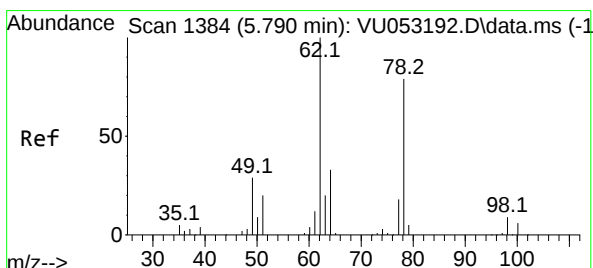
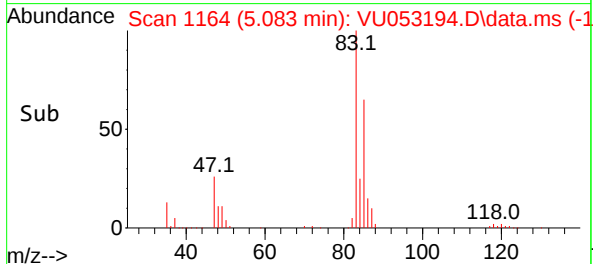
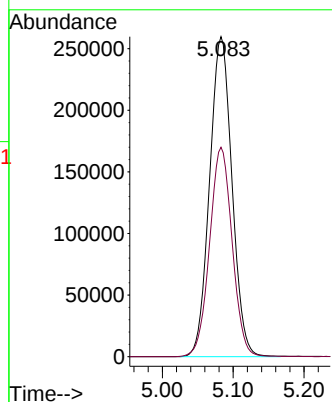
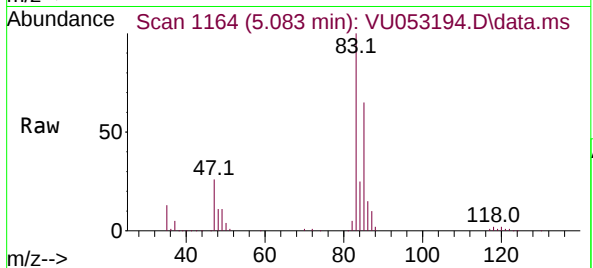
VSTD200009

Tgt Ion: 83 Resp: 570023

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.3



#27

1,2-Dichloroethane

Concen: 208.083 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053194.D

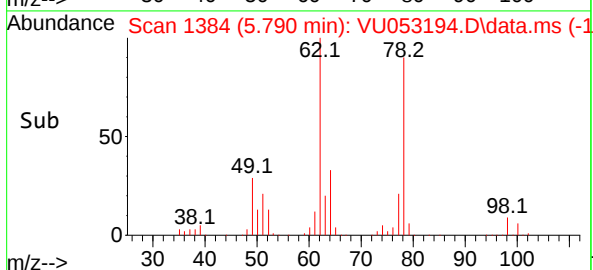
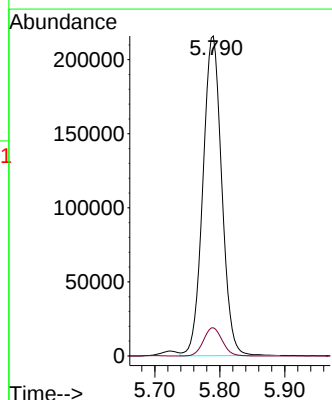
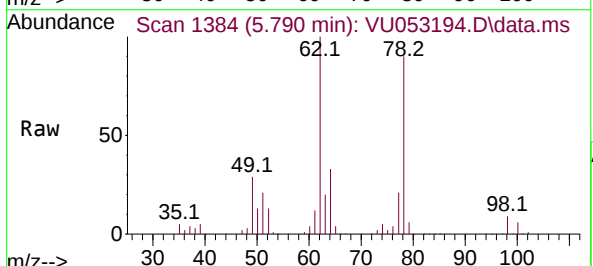
Acq: 15 Mar 2023 11:22

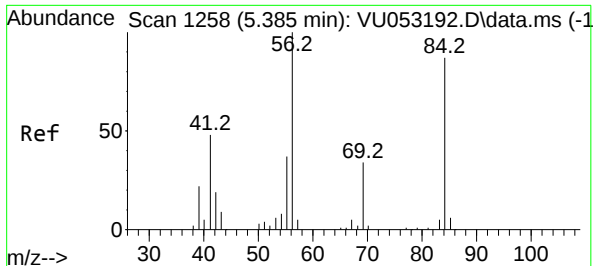
Tgt Ion: 62 Resp: 435580

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6





#29

Cyclohexane

Concen: 201.338 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD200009

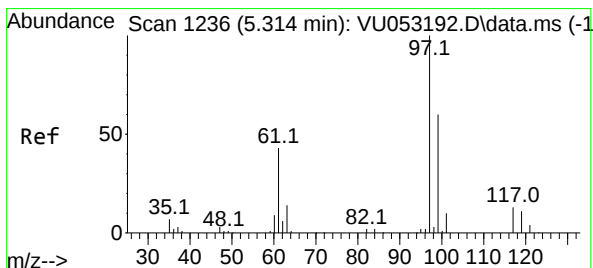
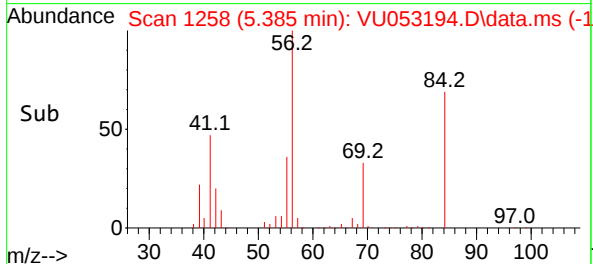
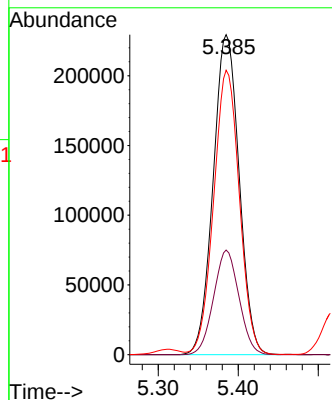
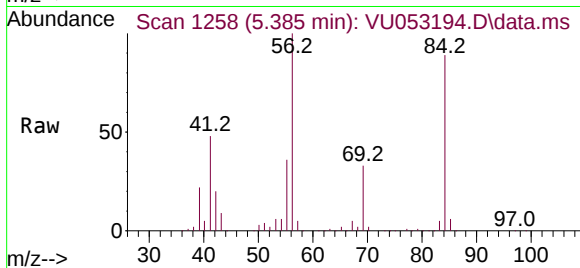
Tgt Ion: 56 Resp: 518131

Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.0

84 87.8 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 200.831 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

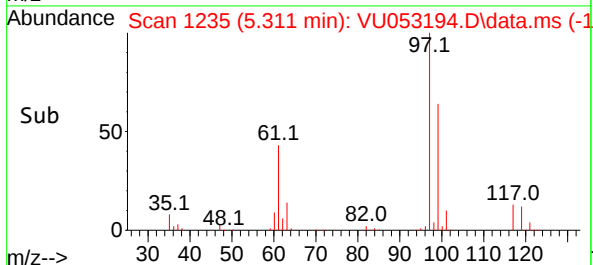
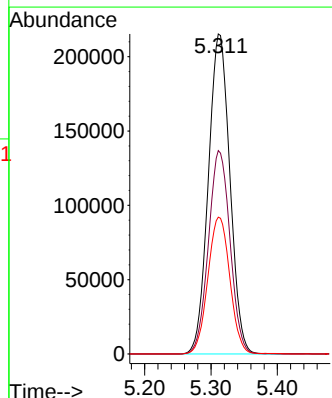
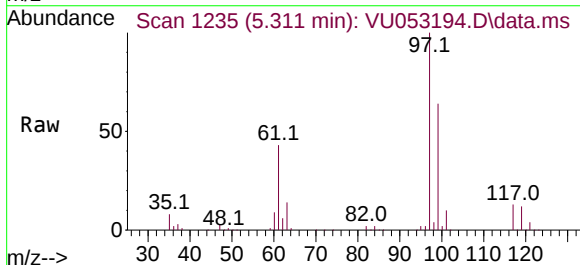
Tgt Ion: 97 Resp: 485661

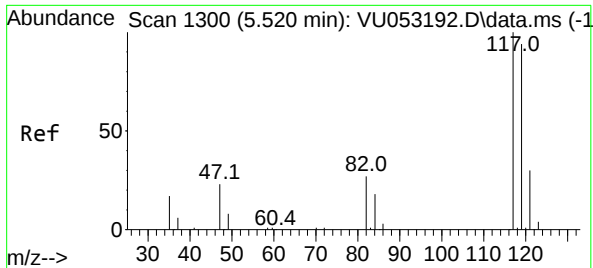
Ion Ratio Lower Upper

97 100

99 63.7 50.6 76.0

61 43.6 36.0 54.0

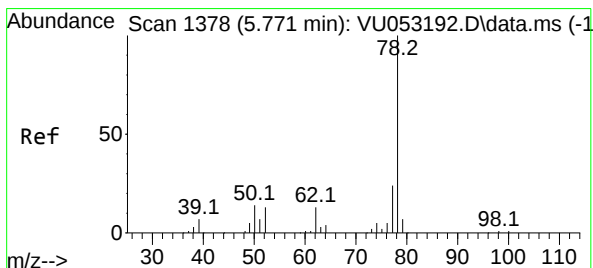
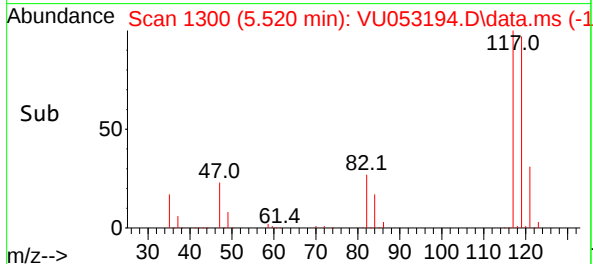
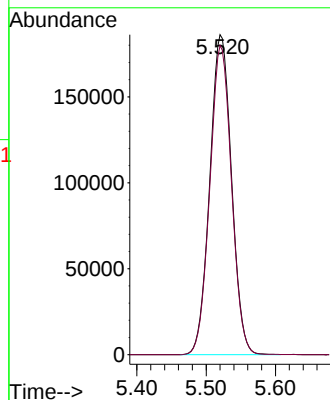
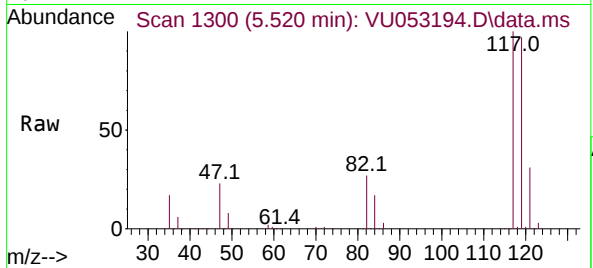




#31
Carbon tetrachloride
Concen: 198.461 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

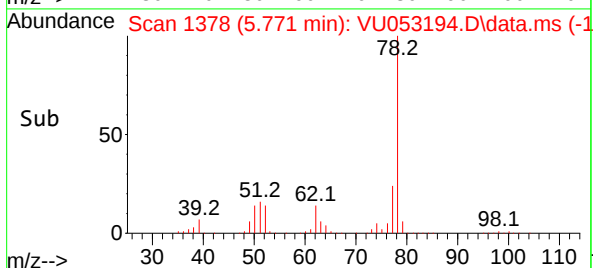
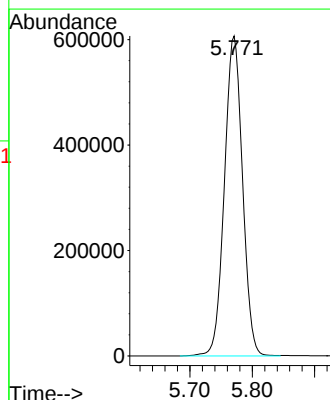
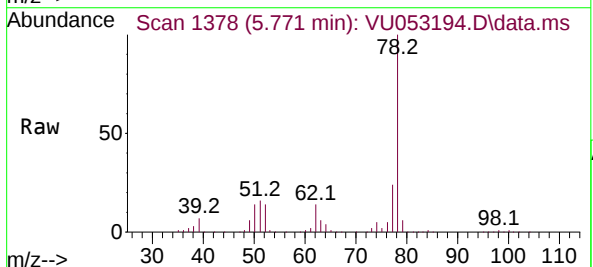
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

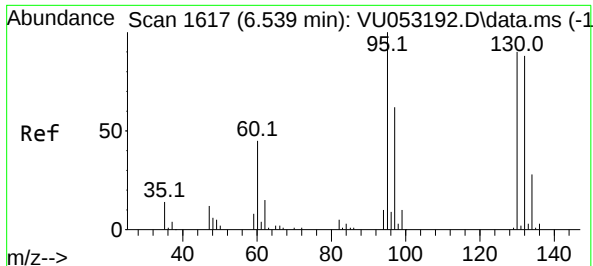
Tgt Ion:117 Resp: 405888
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.2



#33
Benzene
Concen: 200.028 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 78 Resp: 1222913

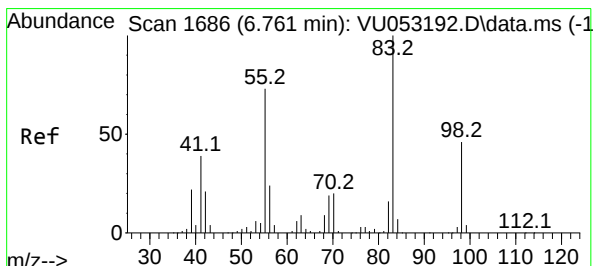
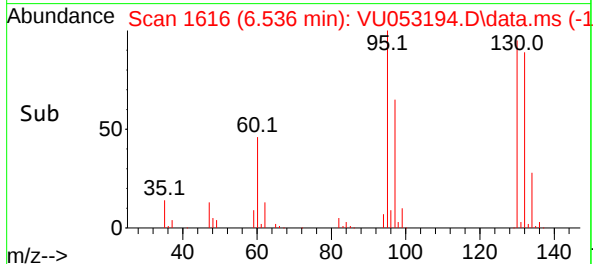
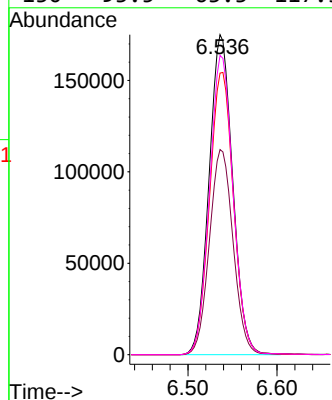
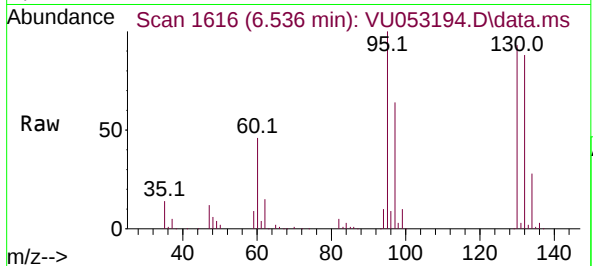




#34
Trichloroethene
Concen: 202.205 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

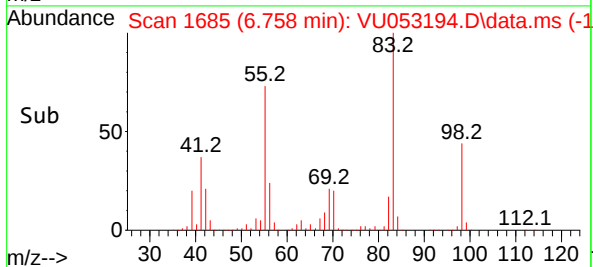
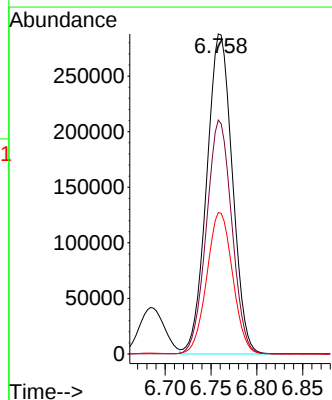
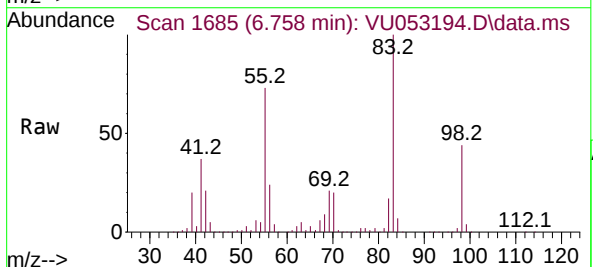
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

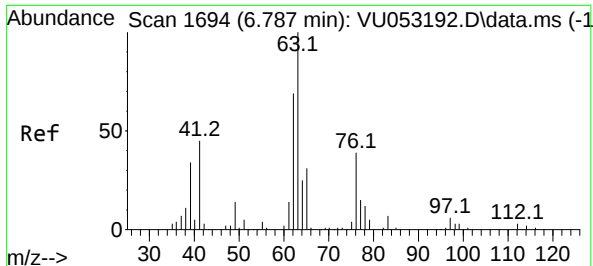
Tgt Ion: 95 Resp: 321804
Ion Ratio Lower Upper
95 100
97 64.1 43.8 81.3
132 88.0 61.5 114.3
130 93.5 63.3 117.5



#35
Methylcyclohexane
Concen: 203.944 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 83 Resp: 561633
Ion Ratio Lower Upper
83 100
55 72.2 58.2 87.4
98 44.5 35.4 53.2

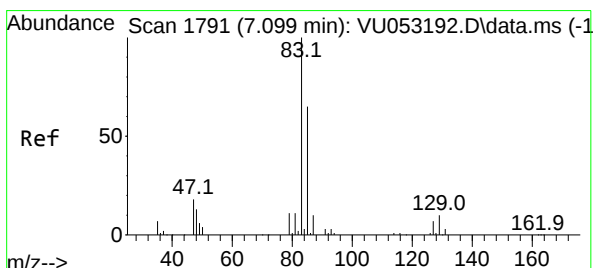
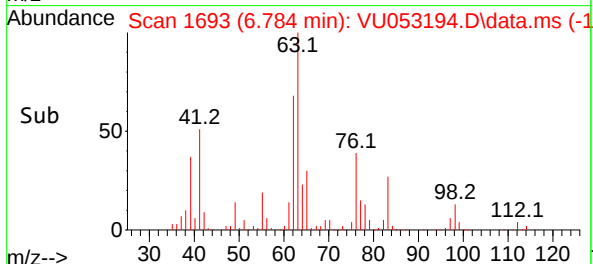
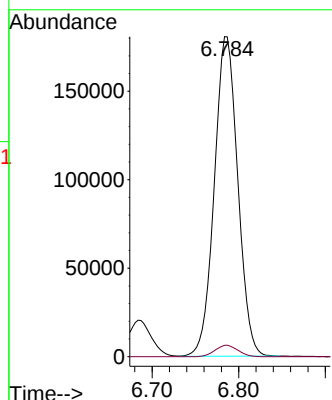
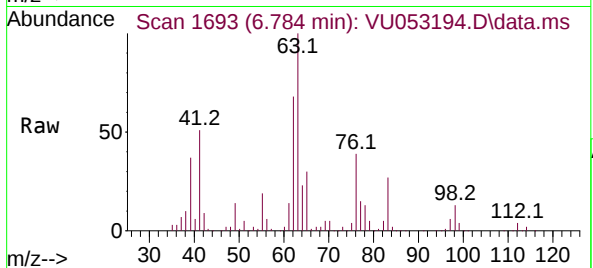




#37
1,2-Dichloropropane
Concen: 200.818 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

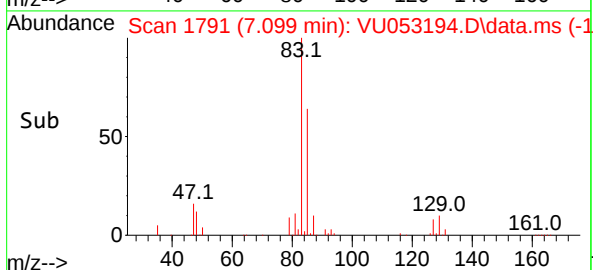
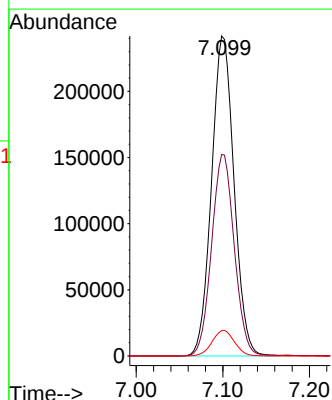
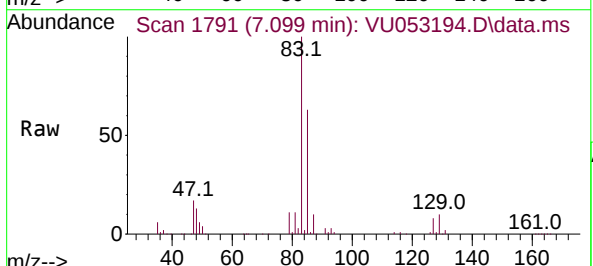
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

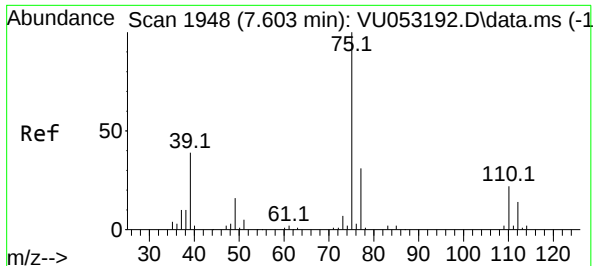
Tgt Ion: 63 Resp: 339890
Ion Ratio Lower Upper
63 100
112 3.5 2.6 3.8



#38
Bromodichloromethane
Concen: 205.478 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 83 Resp: 436282
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.2
127 7.9 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 208.912 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

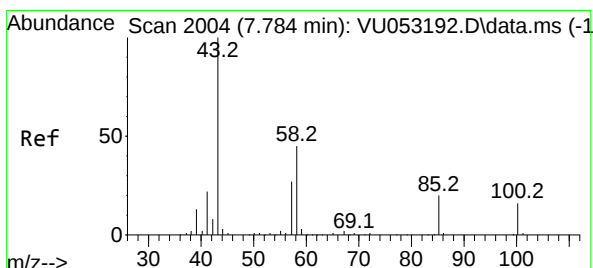
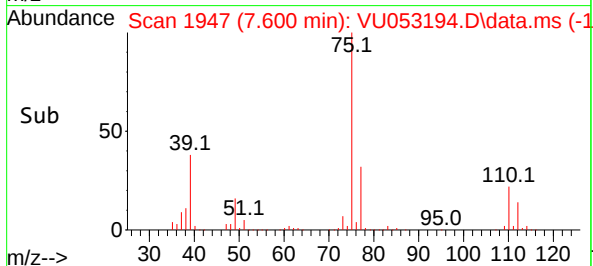
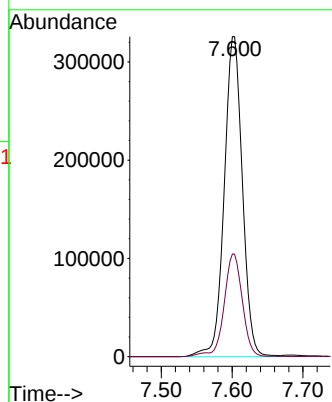
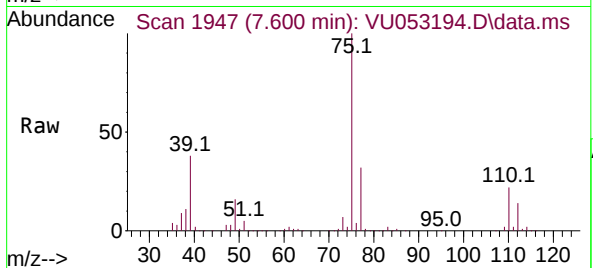
VSTD200009

Tgt Ion: 75 Resp: 580730

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 391.767 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

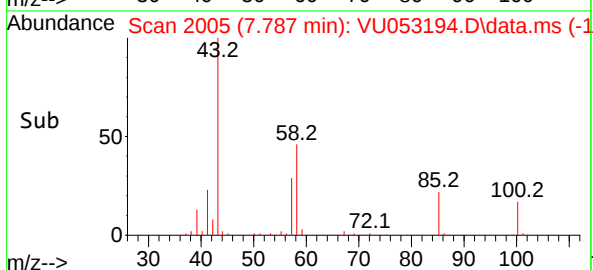
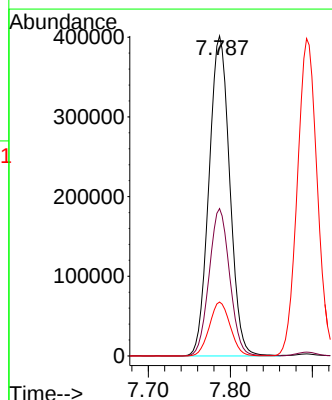
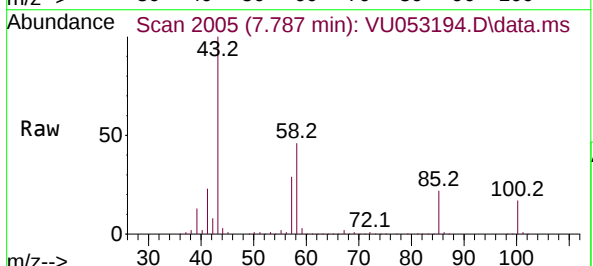
Tgt Ion: 43 Resp: 706934

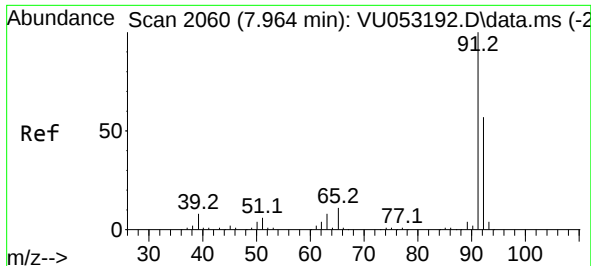
Ion Ratio Lower Upper

43 100

58 45.7 35.8 53.6

100 16.9 13.0 19.6





#42

Toluene

Concen: 205.132 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

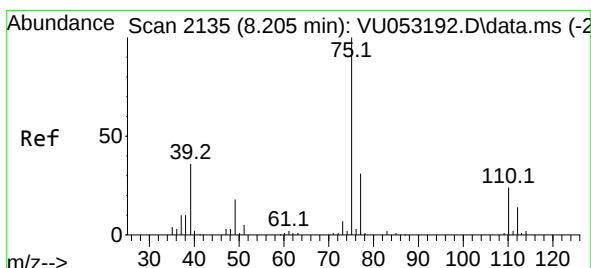
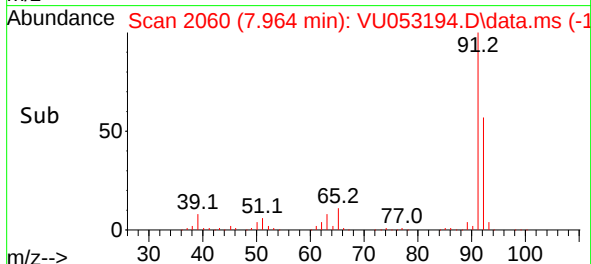
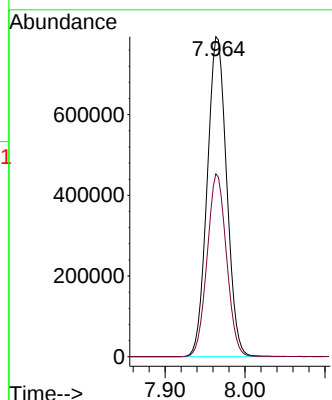
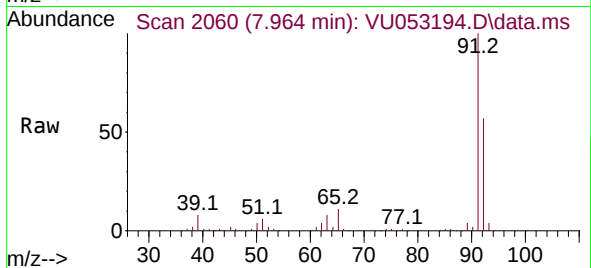
VSTD200009

Tgt Ion: 91 Resp: 1341084

Ion Ratio Lower Upper

91 100

92 57.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 209.961 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053194.D

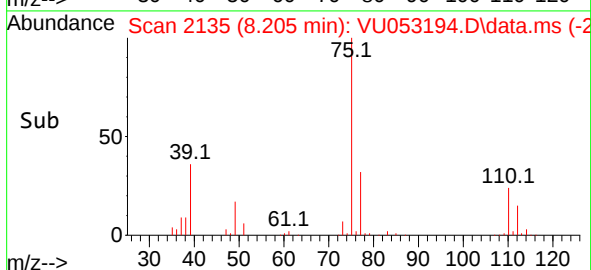
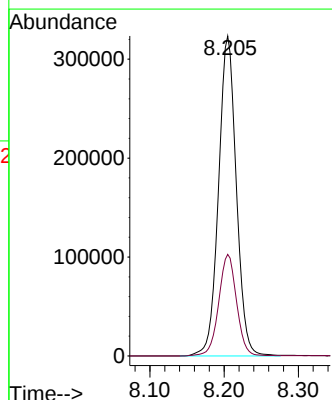
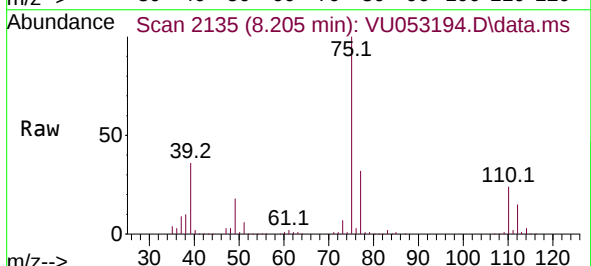
Acq: 15 Mar 2023 11:22

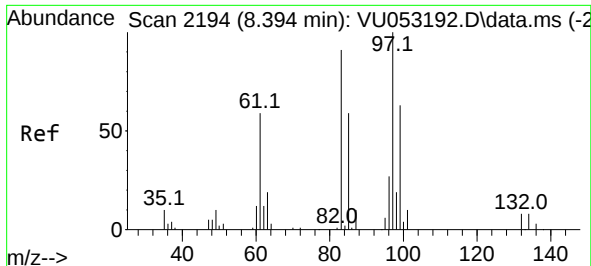
Tgt Ion: 75 Resp: 538303

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



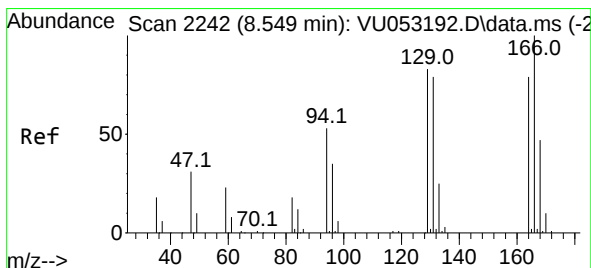
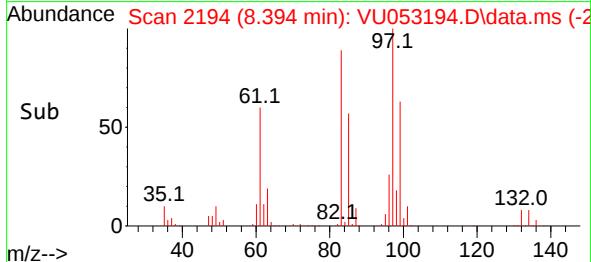
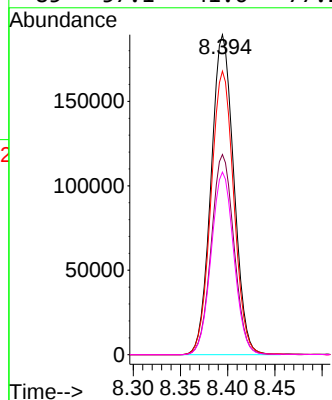
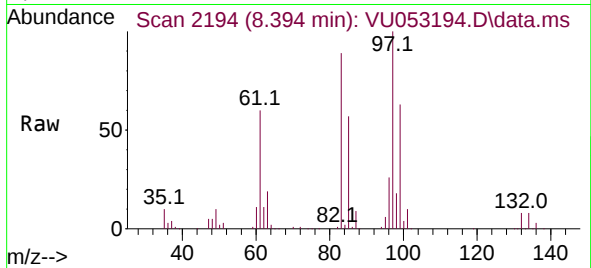


#45
1,1,2-Trichloroethane
Concen: 207.971 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

Tgt Ion: 97 Resp: 318243

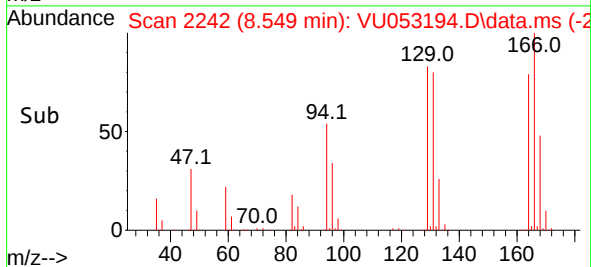
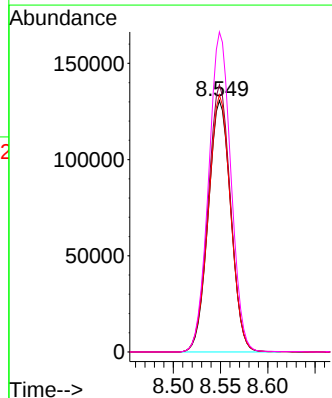
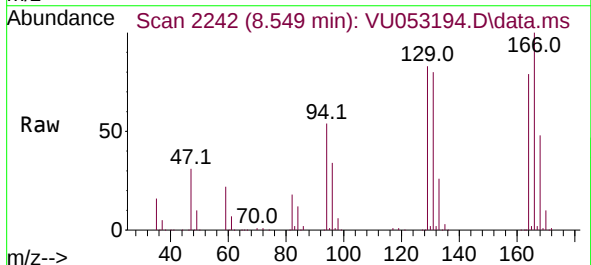
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.4	82.4
83	88.6	63.8	118.6
85	57.1	41.6	77.2

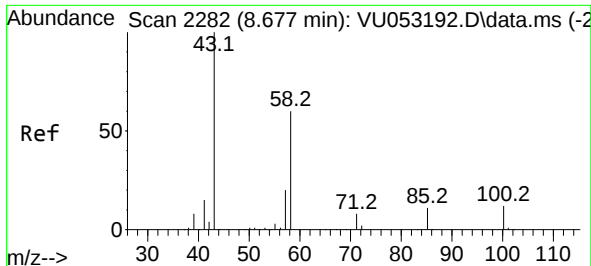


#46
Tetrachloroethene
Concen: 207.030 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 164 Resp: 217011

Ion	Ratio	Lower	Upper
164	100		
129	106.3	73.6	136.8
131	102.2	70.3	130.7
166	127.3	88.9	165.1

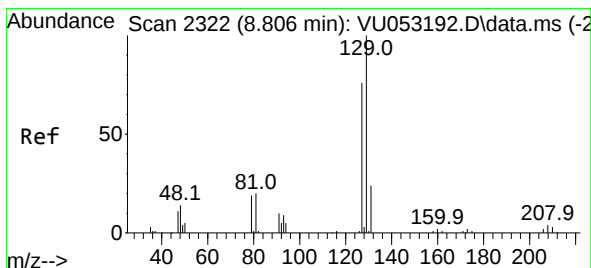
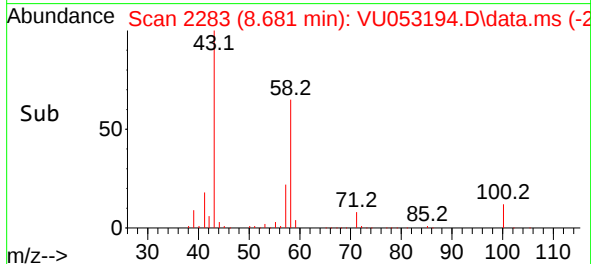
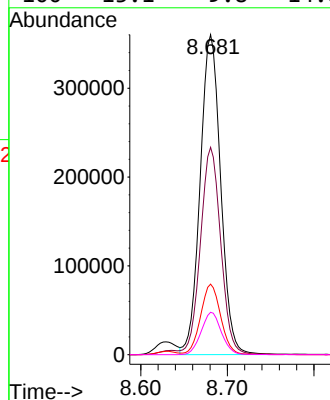
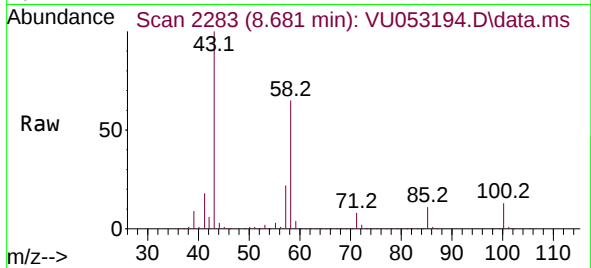




#48
2-Hexanone
Concen: 409.416 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

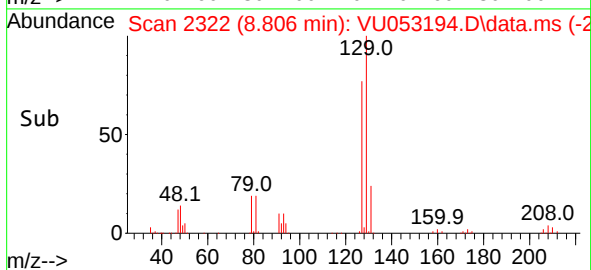
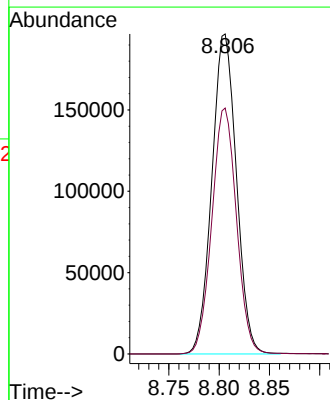
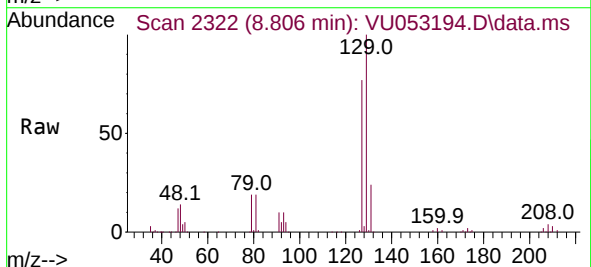
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

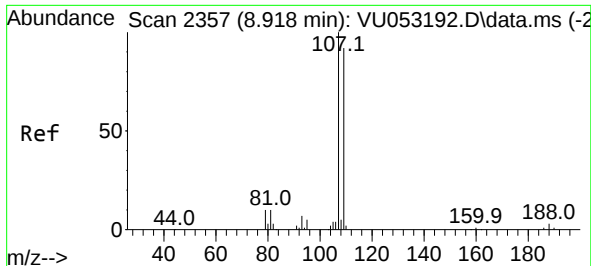
Tgt Ion:	43	Resp:	591954
Ion	Ratio	Lower	Upper
43	100		
58	64.2	49.4	74.0
57	21.5	16.9	25.3
100	13.1	9.8	14.8



#49
Dibromochloromethane
Concen: 210.848 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion:	129	Resp:	334139
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.1	98.5





#50

1,2-Dibromoethane

Concen: 210.178 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD200009

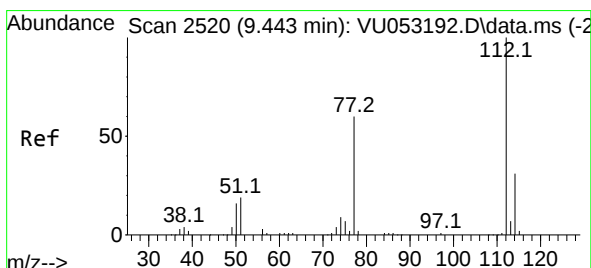
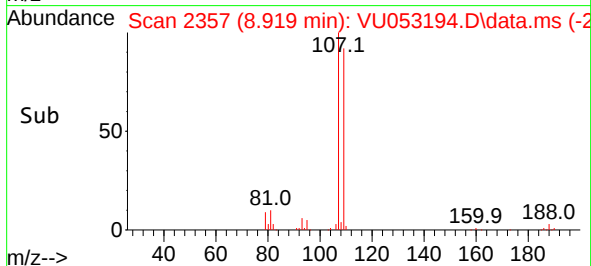
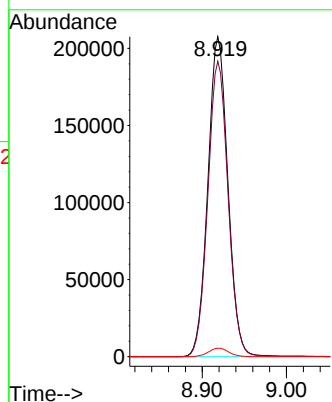
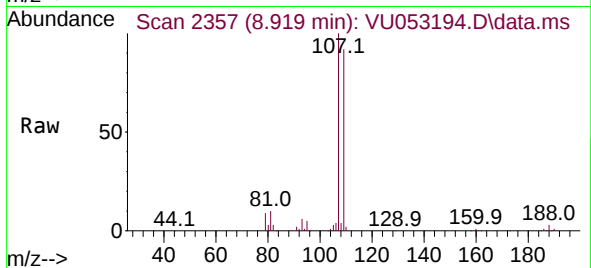
Tgt Ion:107 Resp: 343334

Ion Ratio Lower Upper

107 100

109 92.3 64.6 120.0

188 2.7 2.2 3.4



#51

Chlorobenzene

Concen: 207.961 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

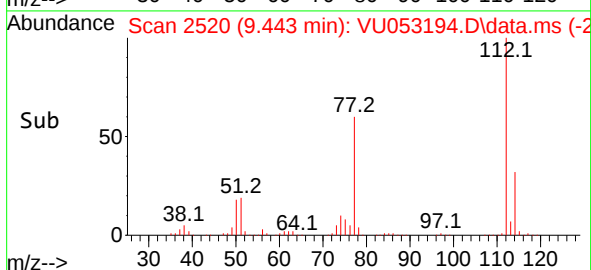
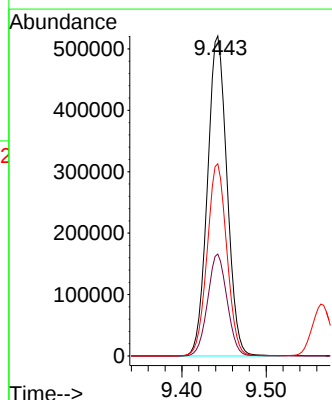
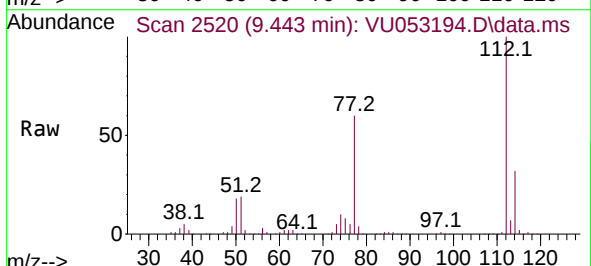
Tgt Ion:112 Resp: 841457

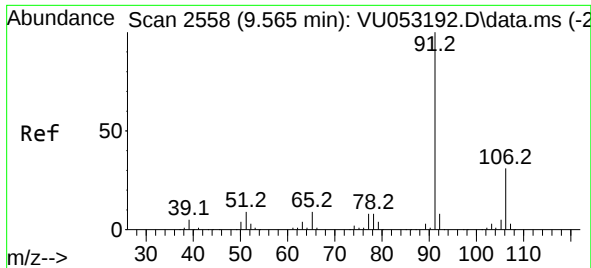
Ion Ratio Lower Upper

112 100

114 31.8 21.8 40.6

77 60.0 48.8 73.2

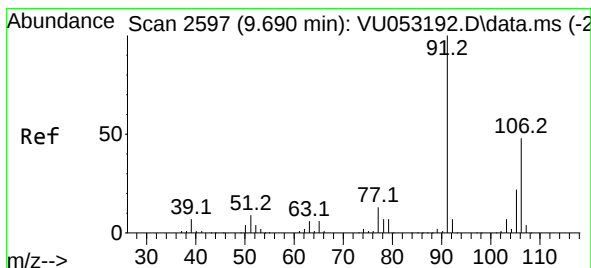
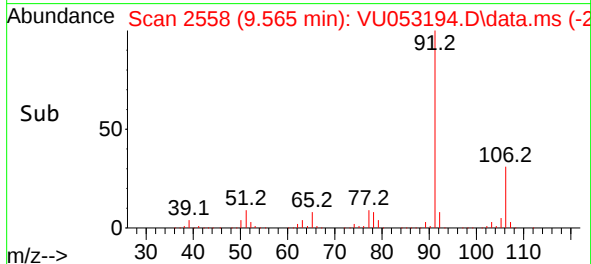
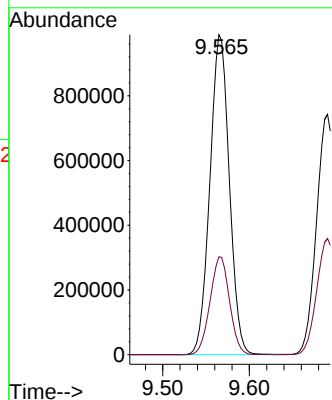
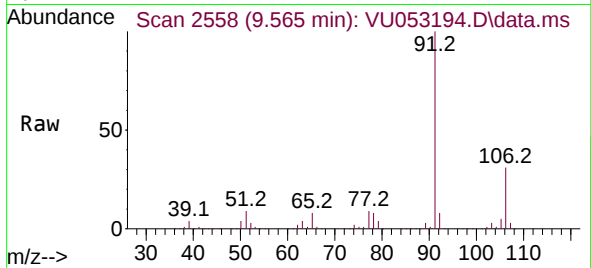




#52
Ethylbenzene
Concen: 211.445 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

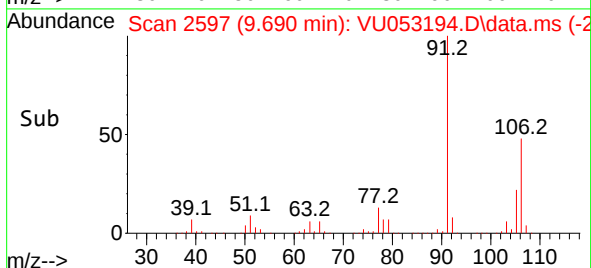
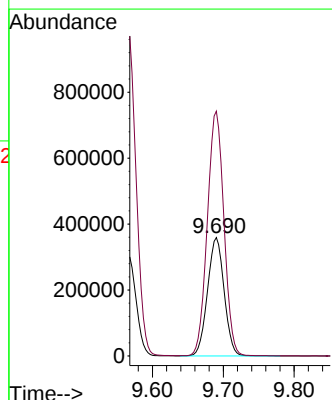
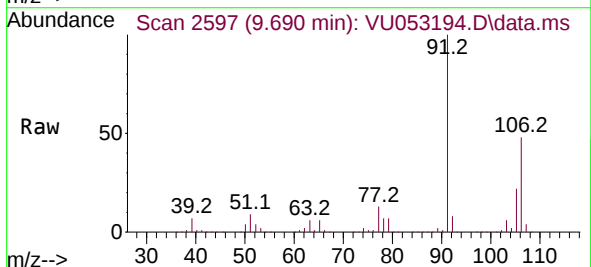
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

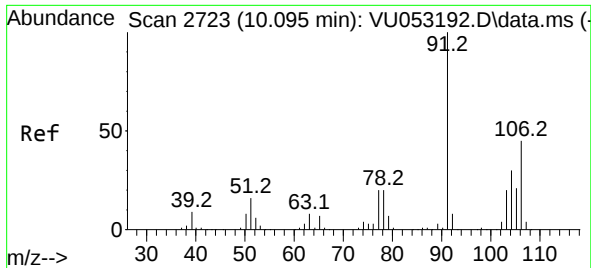
Tgt Ion: 91 Resp: 1540944
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.0



#53
m,p-Xylene
Concen: 213.314 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 106 Resp: 583038
Ion Ratio Lower Upper
106 100
91 206.8 145.3 269.8

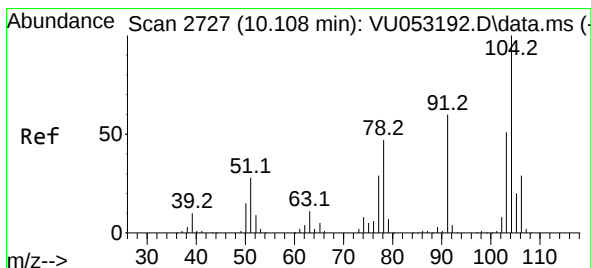
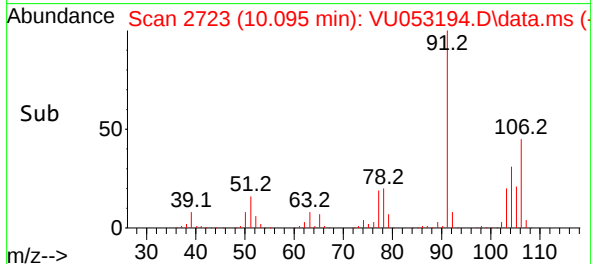
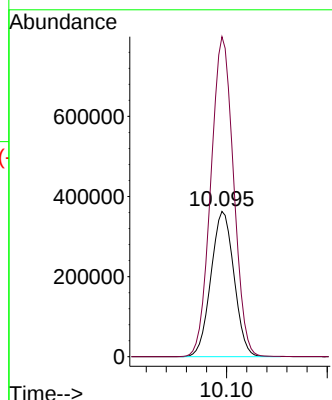
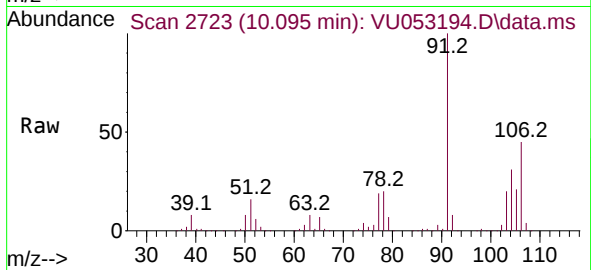




#54
o-Xylene
Concen: 212.752 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

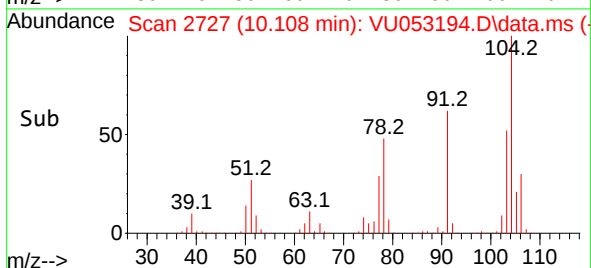
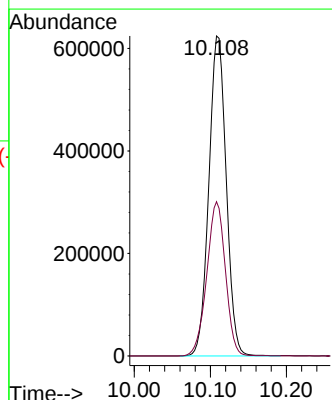
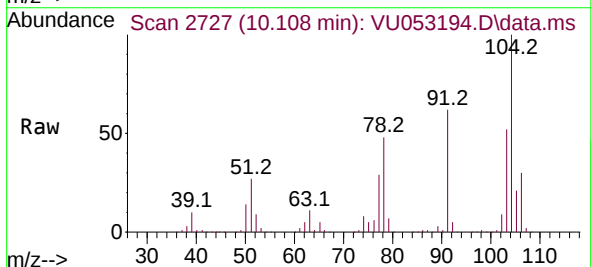
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

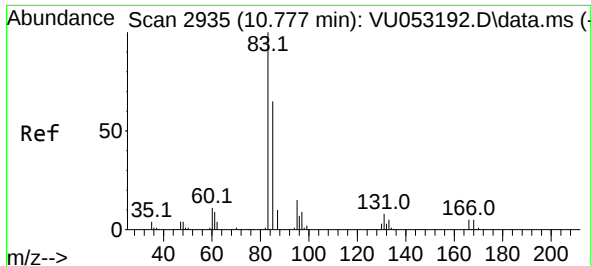
Tgt Ion:106 Resp: 577860
Ion Ratio Lower Upper
106 100
91 220.2 154.9 287.7



#55
Styrene
Concen: 219.741 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion:104 Resp: 991935
Ion Ratio Lower Upper
104 100
78 48.2 32.9 61.1

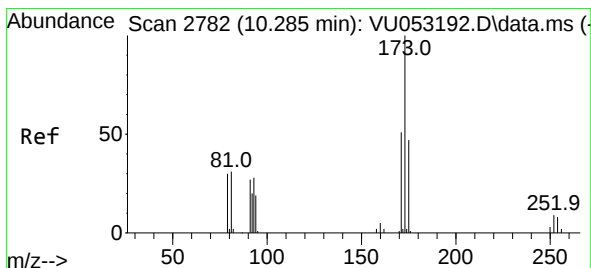
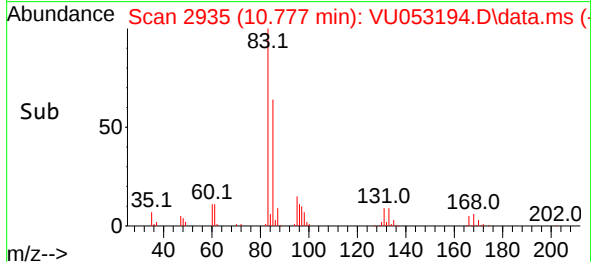
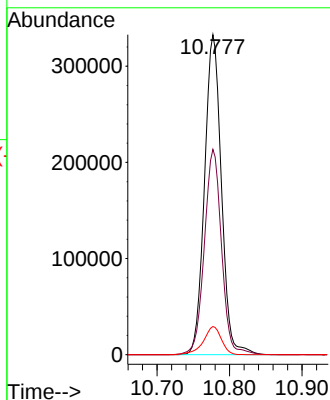
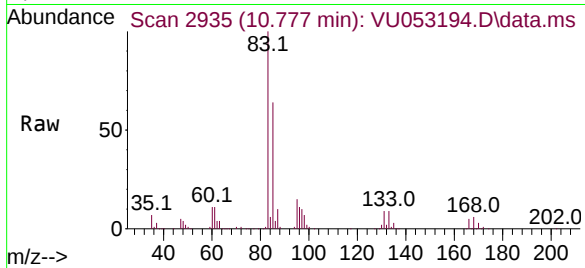




#57
1,1,2,2-Tetrachloroethane
Concen: 215.204 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

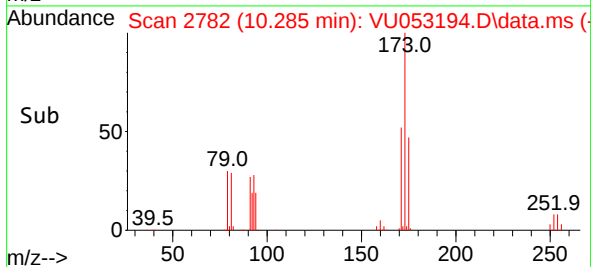
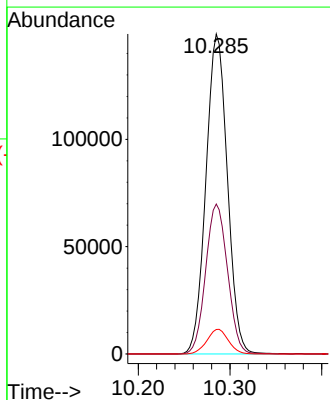
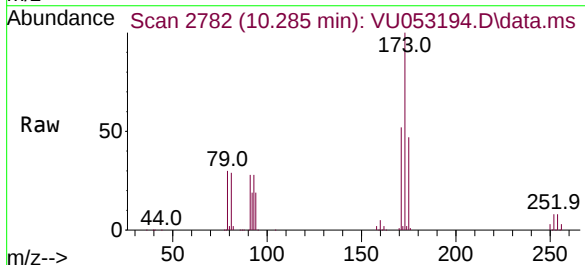
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

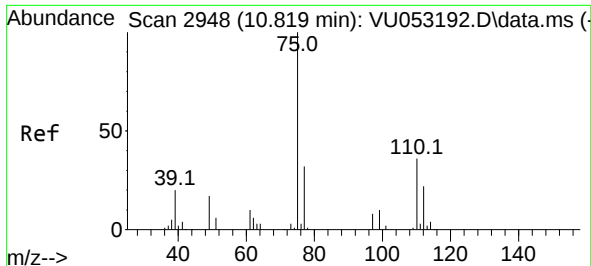
Tgt Ion: 83 Resp: 538223
Ion Ratio Lower Upper
83 100
85 64.2 46.0 85.4
131 8.8 6.6 10.0



#59
Bromoform
Concen: 203.342 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion:173 Resp: 241666
Ion Ratio Lower Upper
173 100
175 47.8 38.5 57.7
254 7.7 6.5 9.7

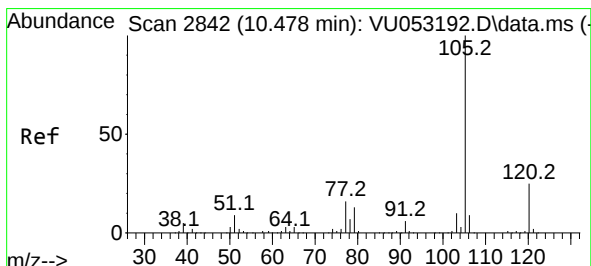
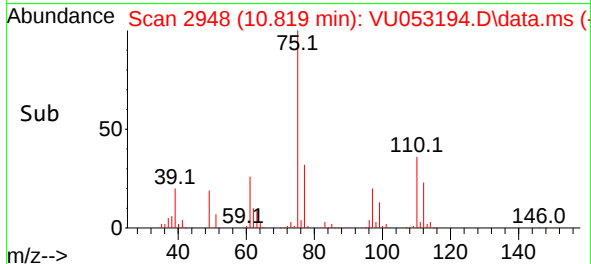
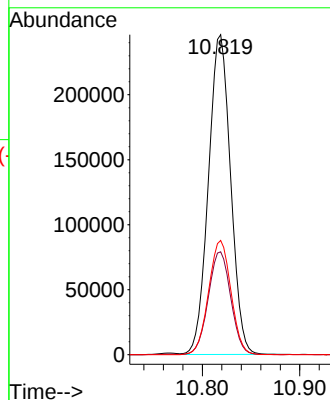
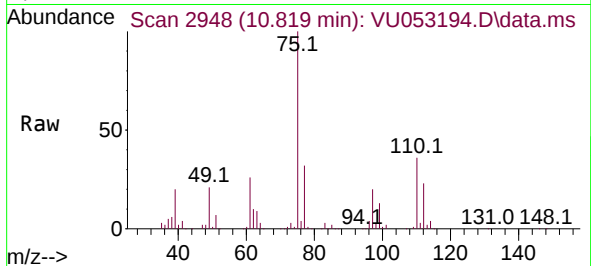




#60
1,2,3-Trichloropropane
Concen: 191.710 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

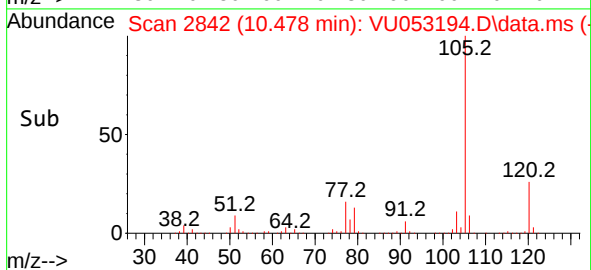
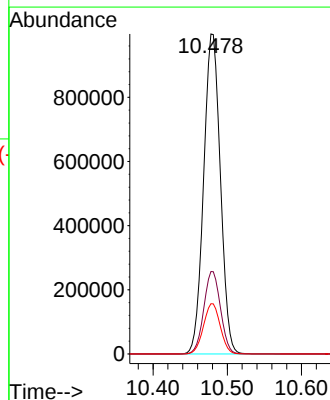
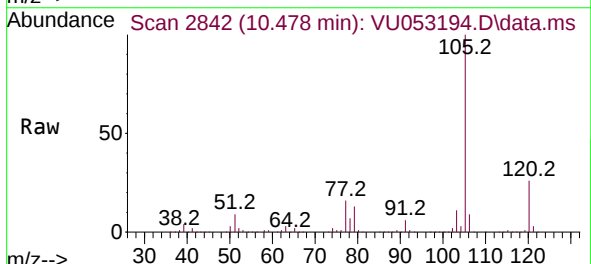
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

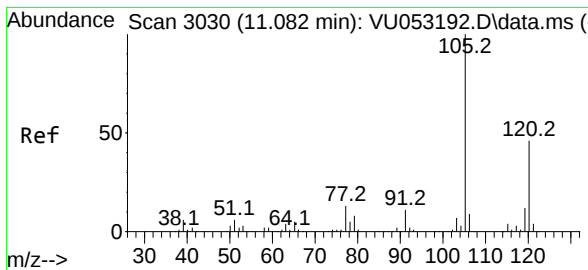
Tgt Ion: 75 Resp: 389152
Ion Ratio Lower Upper
75 100
77 32.7 26.6 40.0
110 36.0 28.6 42.8



#61
Isopropylbenzene
Concen: 200.230 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 105 Resp: 1557614
Ion Ratio Lower Upper
105 100
120 25.7 20.4 30.6
77 15.8 13.0 19.4

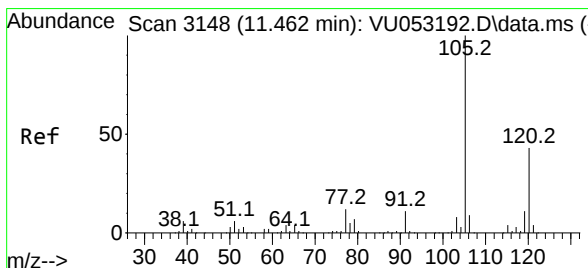
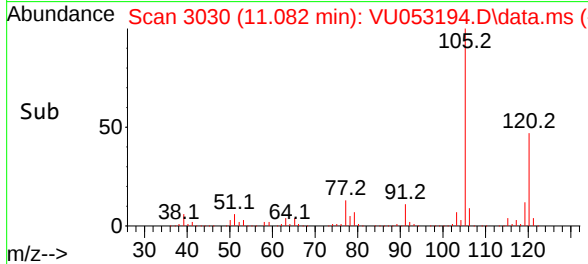
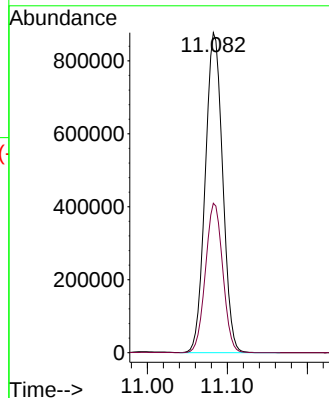
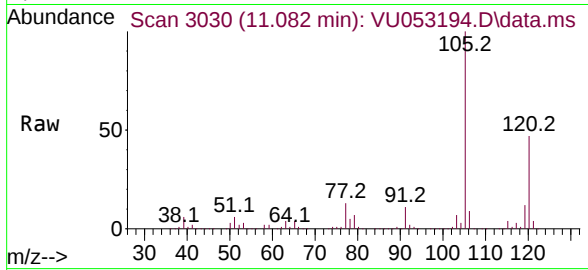




#62
1,3,5-Trimethylbenzene
Concen: 202.144 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

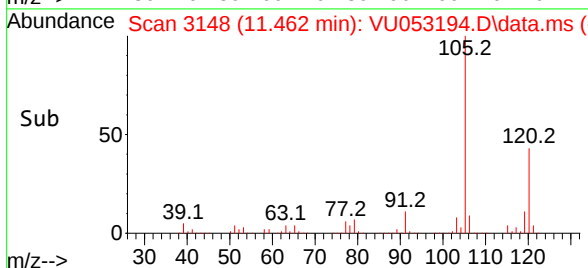
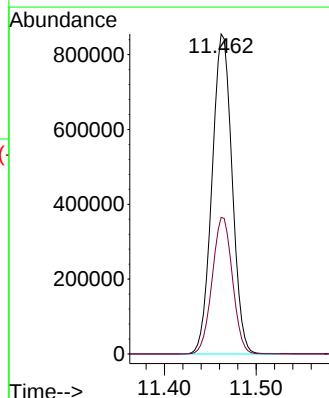
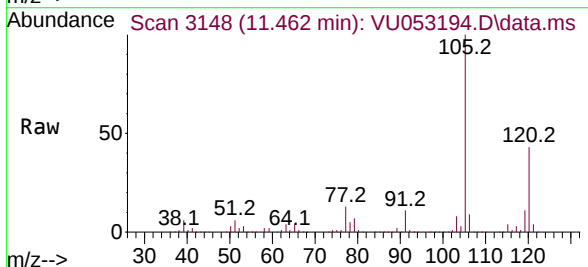
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

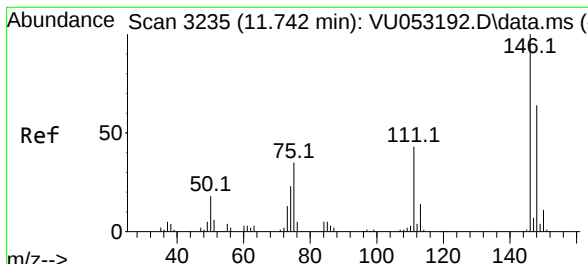
Tgt Ion:105 Resp: 1328645
Ion Ratio Lower Upper
105 100
120 46.5 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 203.759 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion:105 Resp: 1300853
Ion Ratio Lower Upper
105 100
120 43.1 34.6 52.0

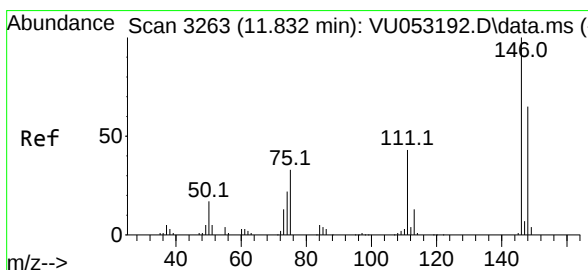
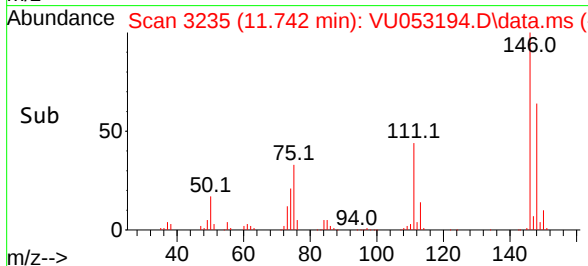
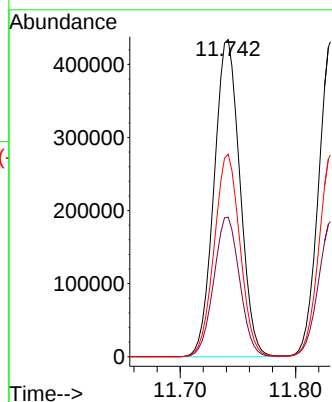
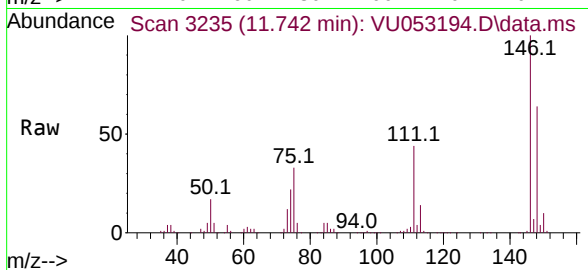




#64
1,3-Dichlorobenzene
Concen: 210.114 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

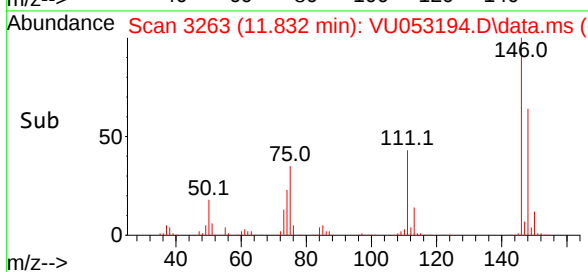
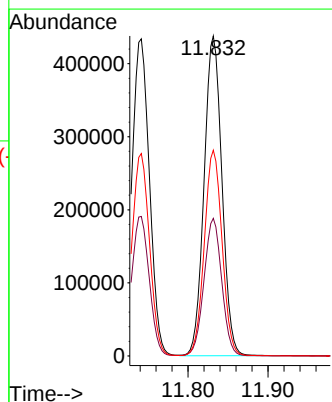
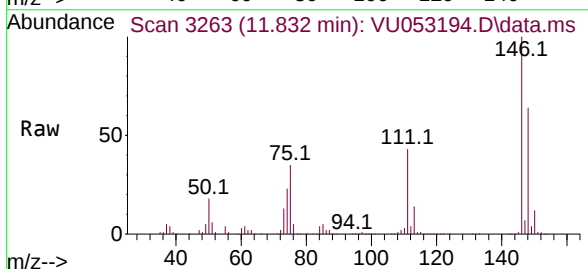
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

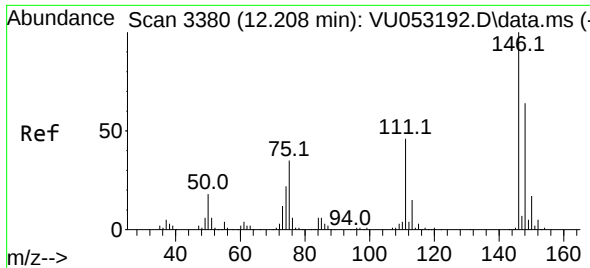
Tgt Ion:146 Resp: 674988
Ion Ratio Lower Upper
146 100
111 44.0 30.2 56.0
148 63.8 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 208.903 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion:146 Resp: 679886
Ion Ratio Lower Upper
146 100
111 43.0 30.7 57.1
148 64.3 45.6 84.8

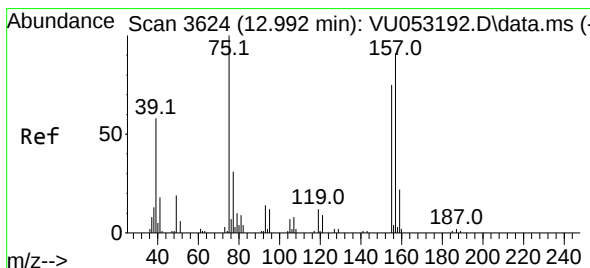
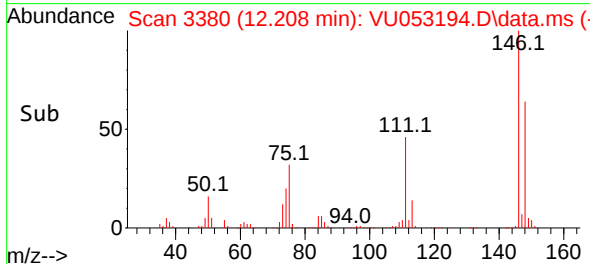
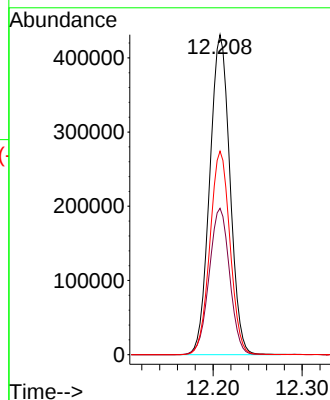
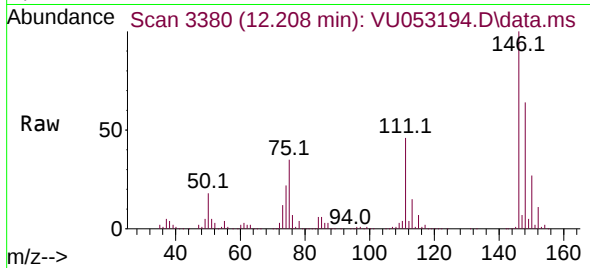




#67
1,2-Dichlorobenzene
Concen: 210.157 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

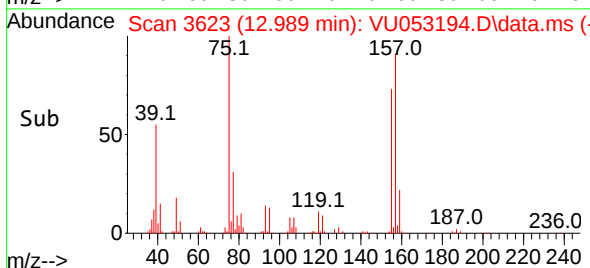
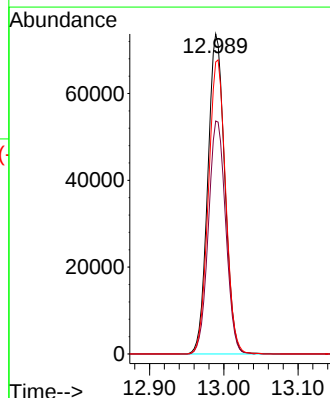
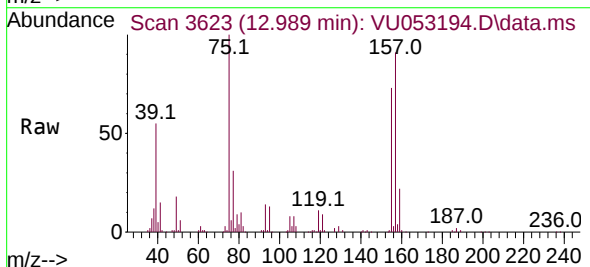
Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

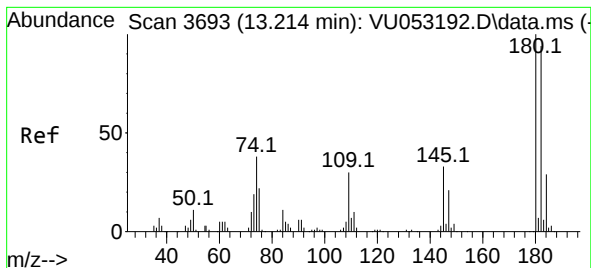
Tgt Ion:146 Resp: 678738
Ion Ratio Lower Upper
146 100
111 45.7 37.0 55.4
148 63.6 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 197.845 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion: 75 Resp: 117133
Ion Ratio Lower Upper
75 100
155 72.8 60.2 90.4
157 91.3 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 209.758 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD200009

Tgt Ion:180 Resp: 455454

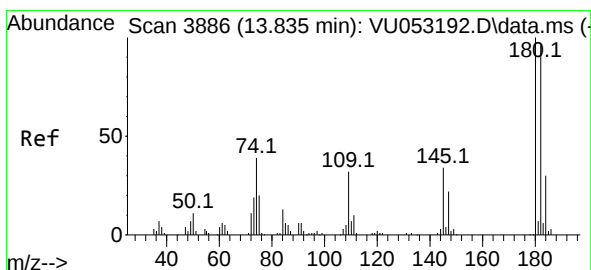
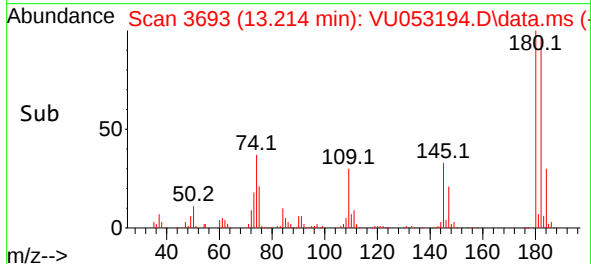
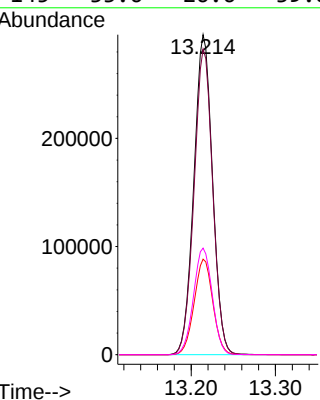
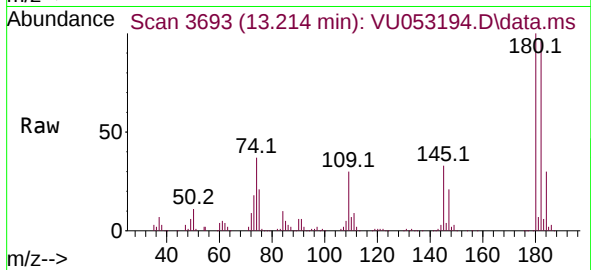
Ion Ratio Lower Upper

180 100

182 95.5 74.5 111.7

184 29.9 23.2 34.8

145 33.6 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 210.529 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053194.D

Acq: 15 Mar 2023 11:22

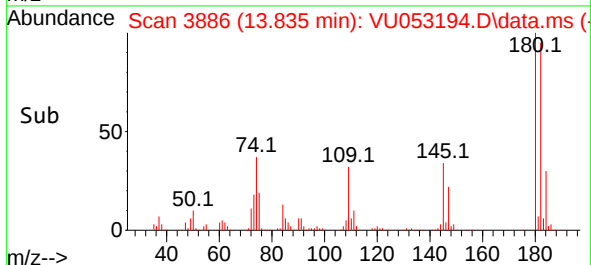
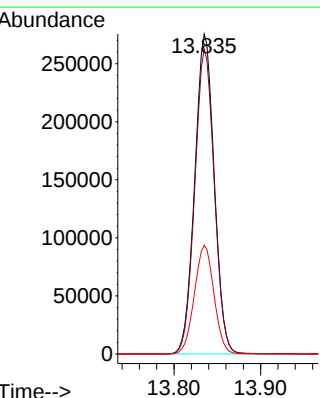
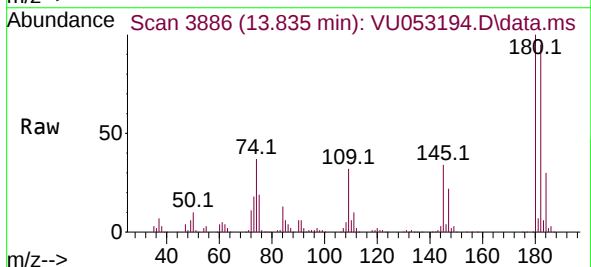
Tgt Ion:180 Resp: 431167

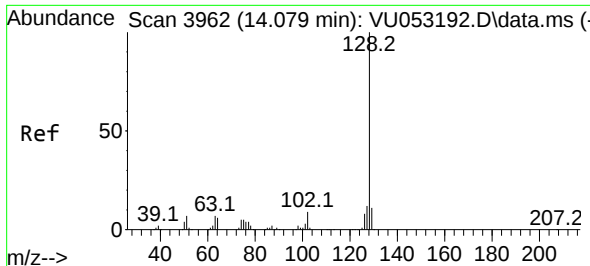
Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 34.0 27.2 40.8

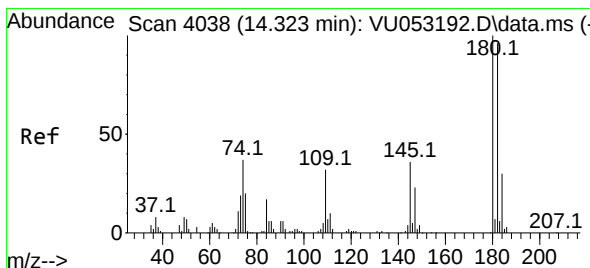
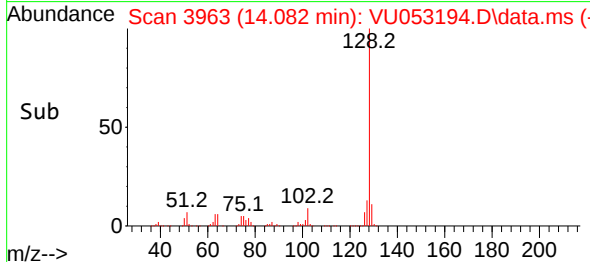
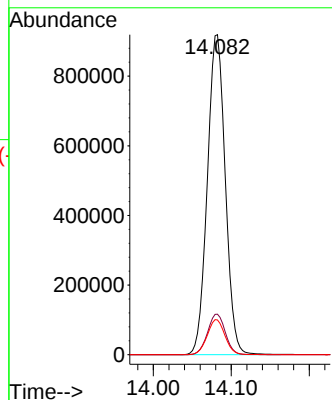
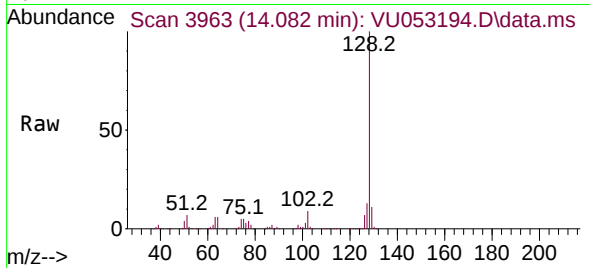




#71
Naphthalene
Concen: 188.499 ug/L
RT: 14.082 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD200009

Tgt Ion:128 Resp: 1472197
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: 202.562 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053194.D
Acq: 15 Mar 2023 11:22

Tgt Ion:180 Resp: 413101
Ion Ratio Lower Upper
180 100
182 94.5 76.7 115.1
145 35.9 28.6 42.8

