

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U041323\
 Data File : VU053677.D
 Acq On : 13 Apr 2023 09:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050197

Quant Time: Apr 14 01:49:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 13 01:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	260258	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	249388	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138416	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	83517	41.212	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.420%
7) Chloroethane-d5	1.899	69	66647	42.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.300%
11) 1,1-Dichloroethene-d2	2.562	63	130234	41.515	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.040%
21) 2-Butanone-d5	4.613	46	89248	97.270	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.270%
24) Chloroform-d	5.057	84	139106	41.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.020%
26) 1,2-Dichloroethane-d4	5.697	65	85015	42.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.860%
32) Benzene-d6	5.722	84	277246	41.185	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.380%
36) 1,2-Dichloropropane-d6	6.684	67	88150	42.842	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.680%
41) Toluene-d8	7.893	98	260795	38.979	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.960%#
43) trans-1,3-Dichloroprop...	8.172	79	40123	37.777	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.560%
47) 2-Hexanone-d5	8.626	63	72155	102.753	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.750%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132076	45.543	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.080%
66) 1,2-Dichlorobenzene-d4	12.188	152	108857	37.677	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.360%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	86070	40.746	ug/L	99
3) Chloromethane	1.520	50	84267	48.548	ug/L	100
5) Vinyl chloride	1.600	62	103422	51.413	ug/L	100
6) Bromomethane	1.838	94	61992	42.353	ug/L	96
8) Chloroethane	1.922	64	63575	52.547	ug/L	99
9) Trichlorofluoromethane	2.131	101	142265	45.980	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	78170	43.624	ug/L	92
12) 1,1-Dichloroethene	2.575	96	69905	43.774	ug/L	97
13) Acetone	2.620	43	63308	76.776	ug/L	97
14) Carbon disulfide	2.787	76	179039	42.382	ug/L	98
15) Methyl Acetate	2.941	43	70120	55.518	ug/L	99
16) Methylene chloride	3.041	84	81678	45.504	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	69728	43.446	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	226076	48.327	ug/L	99
19) 1,1-Dichloroethane	3.861	63	130877	49.228	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	82223	44.354	ug/L	91
22) 2-Butanone	4.694	43	100313	100.416	ug/L	98
23) Bromochloromethane	4.967	128	44016	42.627	ug/L	91
25) Chloroform	5.083	83	143906	47.193	ug/L	99

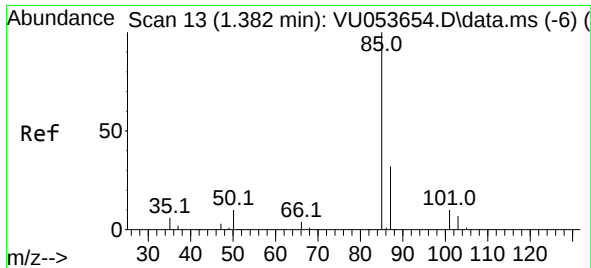
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041323\
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 QLast Update : Thu Apr 13 01:39:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	110414	49.443	ug/L	95
29) Cyclohexane	5.382	56	107566	44.804	ug/L	96
30) 1,1,1-Trichloroethane	5.308	97	119866	43.620	ug/L	97
31) Carbon tetrachloride	5.520	117	104353	42.385	ug/L	99
33) Benzene	5.767	78	302937	46.623	ug/L	100
34) Trichloroethene	6.536	95	82692	42.078	ug/L	94
35) Methylcyclohexane	6.758	83	125525	43.453	ug/L	98
37) 1,2-Dichloropropane	6.787	63	82097	49.760	ug/L	98
38) Bromodichloromethane	7.102	83	101776	46.241	ug/L	95
39) cis-1,3-Dichloropropene	7.603	75	122911	45.589	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	195232	108.892	ug/L	98
42) Toluene	7.967	91	330681	44.908	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	115893	45.470	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	84729	46.775	ug/L	97
46) Tetrachloroethene	8.549	164	63144	38.719	ug/L	96
48) 2-Hexanone	8.677	43	153629	105.929	ug/L	99
49) Dibromochloromethane	8.806	129	81068	43.041	ug/L	93
50) 1,2-Dibromoethane	8.918	107	90662	44.736	ug/L	100
51) Chlorobenzene	9.443	112	218990	43.164	ug/L	96
52) Ethylbenzene	9.568	91	366774	44.745	ug/L	100
53) m,p-Xylene	9.690	106	141999	44.294	ug/L	97
54) o-Xylene	10.095	106	139305	43.951	ug/L	95
55) Styrene	10.111	104	237683	46.039	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	142030	53.403	ug/L	96
59) Bromoform	10.288	173	60056	42.389	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	108106	53.865	ug/L	98
61) Isopropylbenzene	10.481	105	370863	45.318	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	311015	45.718	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	307493	45.637	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	179043	41.870	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	186510	42.795	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	182930	42.923	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	29536	55.204	ug/L	87
69) 1,3,5-Trichlorobenzene	13.217	180	123828	39.105	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	114745	39.084	ug/L	98
71) Naphthalene	14.082	128	402989	45.860	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	118570	40.435	ug/L	98

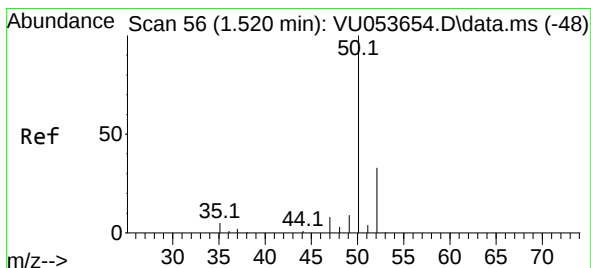
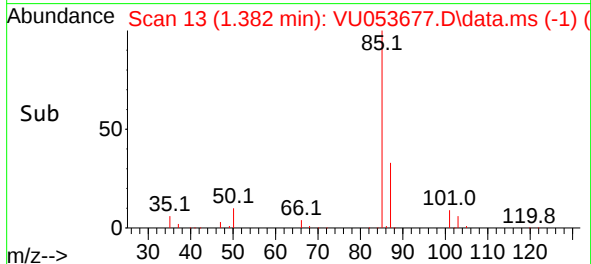
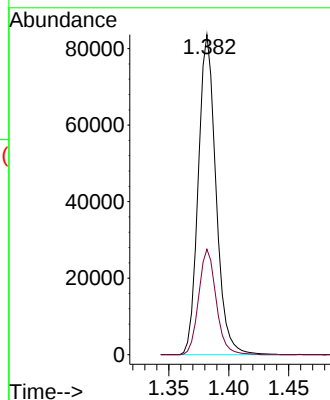
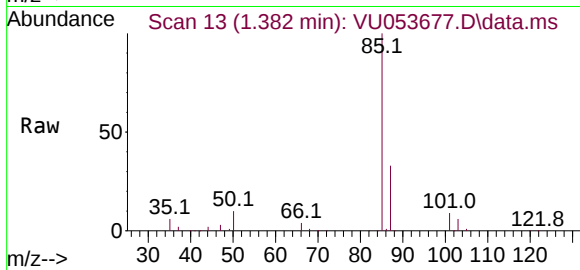
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 40.746 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

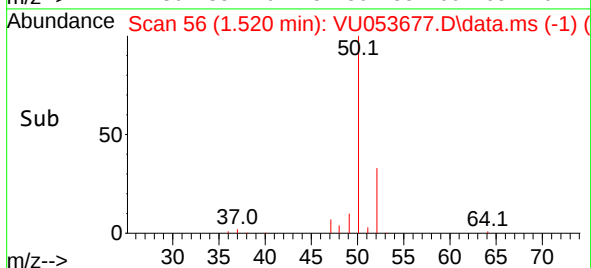
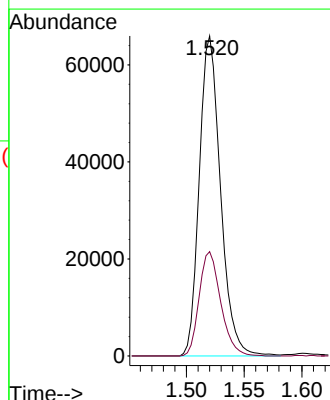
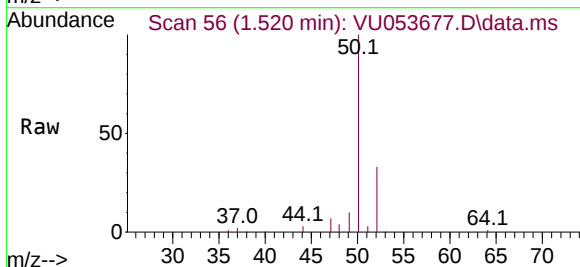
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

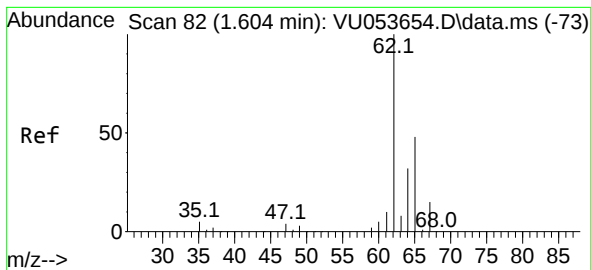
Tgt Ion: 85 Resp: 86070
Ion Ratio Lower Upper
85 100
87 32.5 26.4 39.6



#3
Chloromethane
Concen: 48.548 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 50 Resp: 84267
Ion Ratio Lower Upper
50 100
52 32.6 22.7 42.1





#5

Vinyl chloride

Concen: 51.413 ug/L

RT: 1.600 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

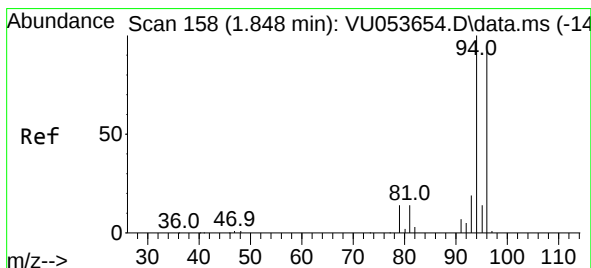
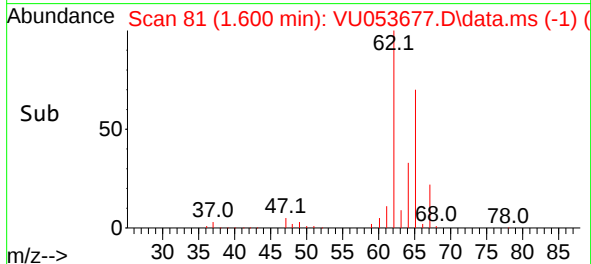
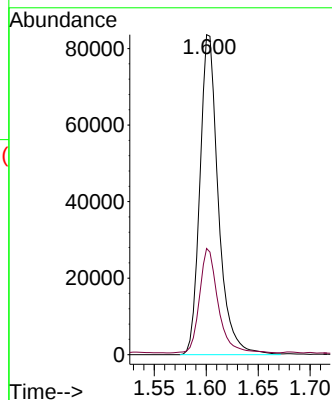
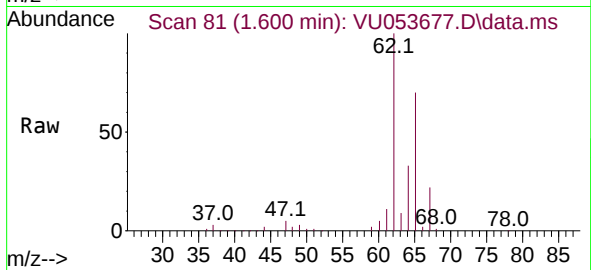
VSTD050197

Tgt Ion: 62 Resp: 103422

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.0



#6

Bromomethane

Concen: 42.353 ug/L

RT: 1.838 min Scan# 155

Delta R.T. -0.010 min

Lab File: VU053677.D

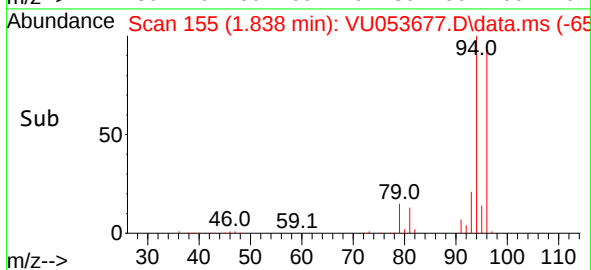
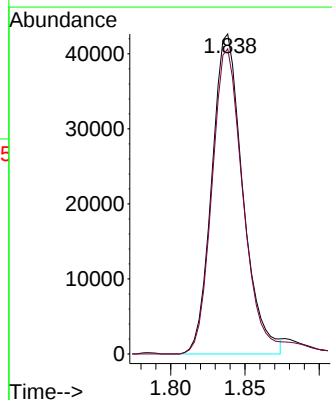
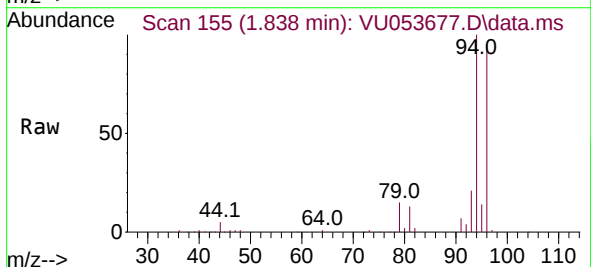
Acq: 13 Apr 2023 09:55

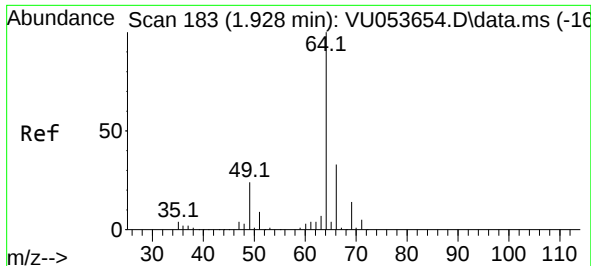
Tgt Ion: 94 Resp: 61992

Ion Ratio Lower Upper

94 100

96 95.3 64.4 119.6

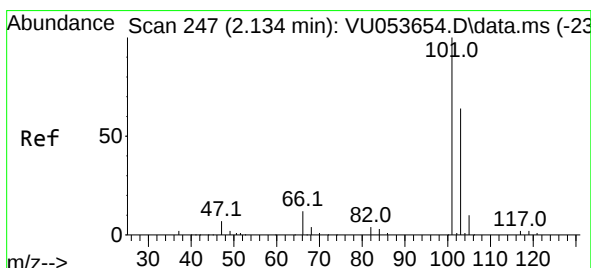
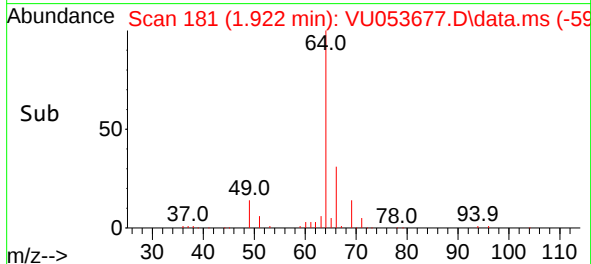
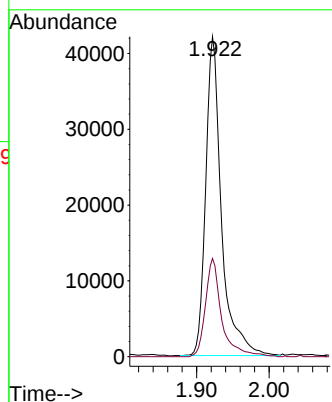
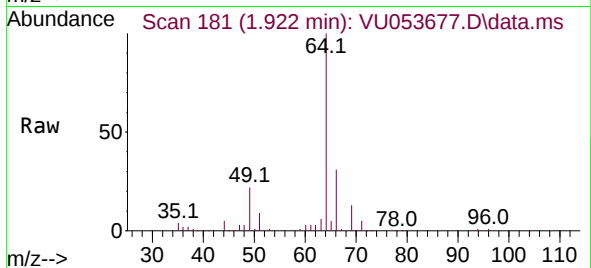




#8
Chloroethane
Concen: 52.547 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

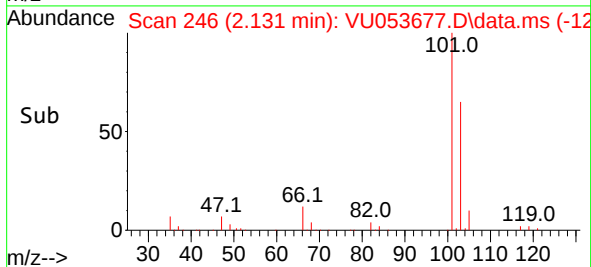
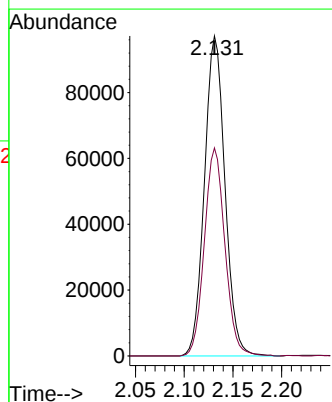
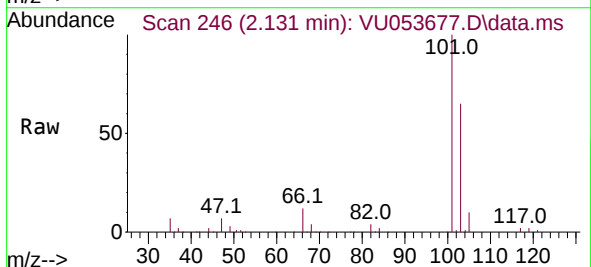
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VSTD050197

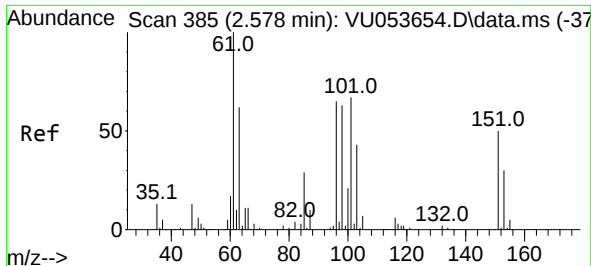
Tgt Ion: 64 Resp: 63575
Ion Ratio Lower Upper
64 100
66 30.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 45.980 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion:101 Resp: 142265
Ion Ratio Lower Upper
101 100
103 65.1 52.5 78.7





#10

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

Concen: 43.624 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

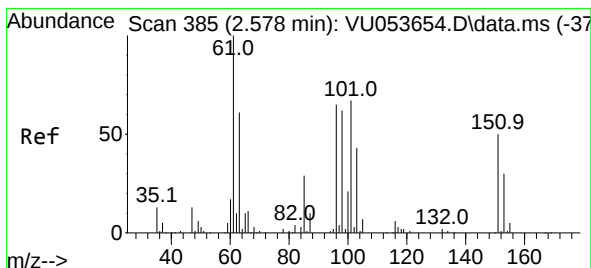
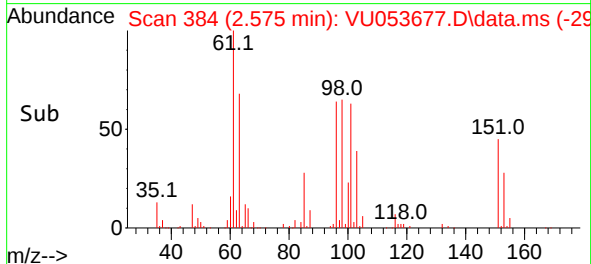
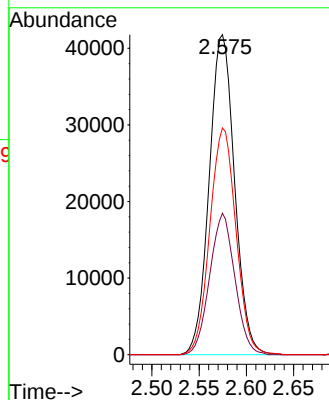
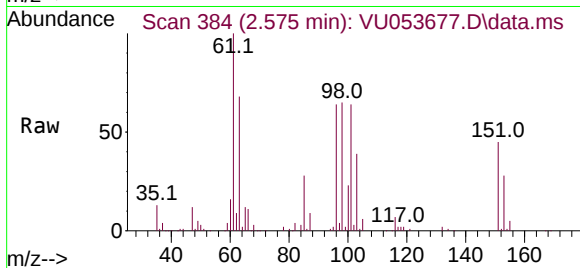
Tgt Ion:101 Resp: 78170

Ion Ratio Lower Upper

101 100

85 43.7 32.6 48.8

151 73.0 65.8 98.6



#12

1,1-Dichloroethene

Concen: 43.774 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

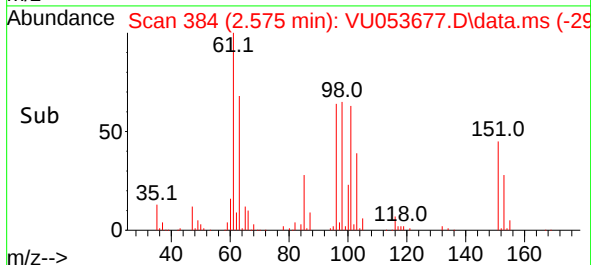
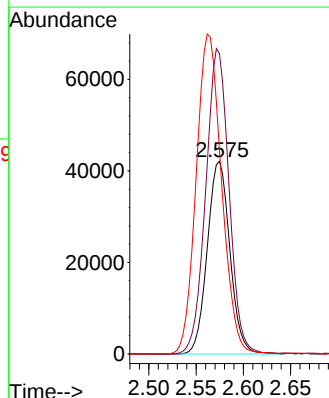
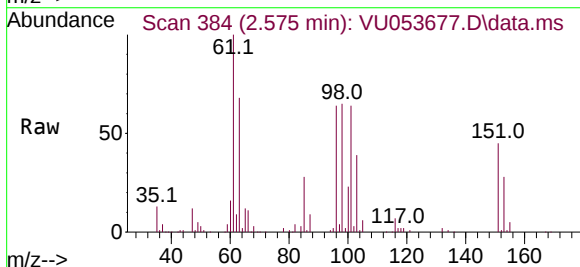
Tgt Ion: 96 Resp: 69905

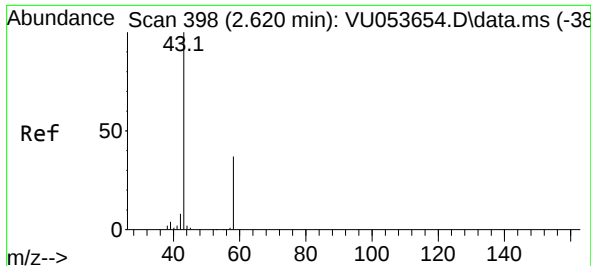
Ion Ratio Lower Upper

96 100

61 156.0 107.9 200.5

63 106.2 79.1 146.9





#13

Acetone

Concen: 76.776 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

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ClientSampleId :

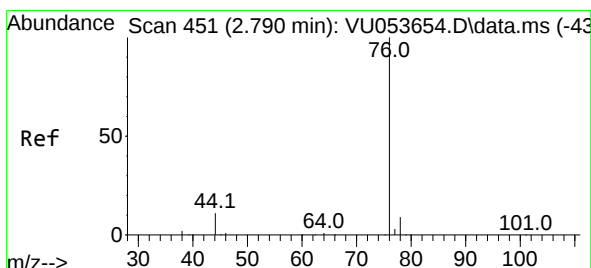
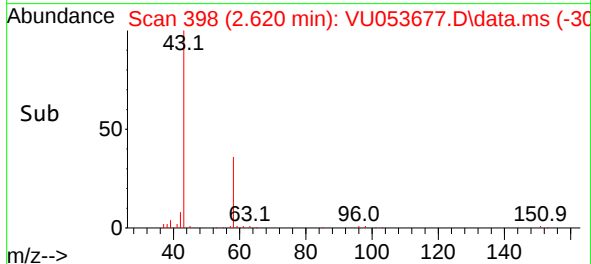
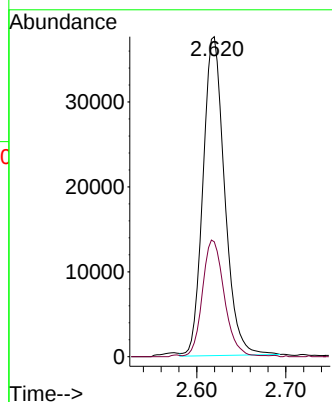
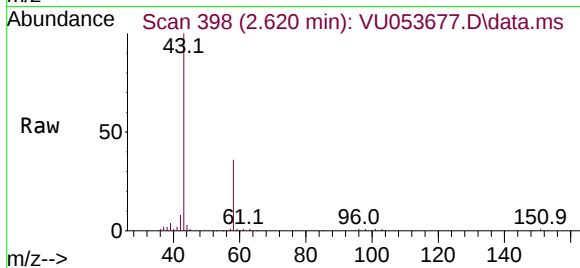
VSTD050197

Tgt Ion: 43 Resp: 63308

Ion Ratio Lower Upper

43 100

58 37.0 0.0 70.2



#14

Carbon disulfide

Concen: 42.382 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU053677.D

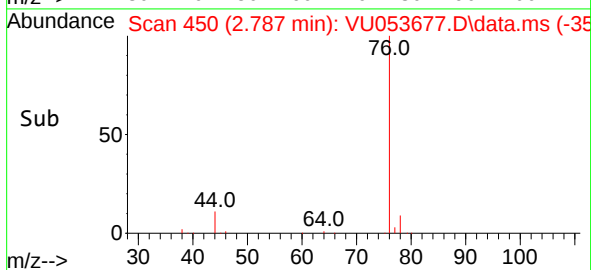
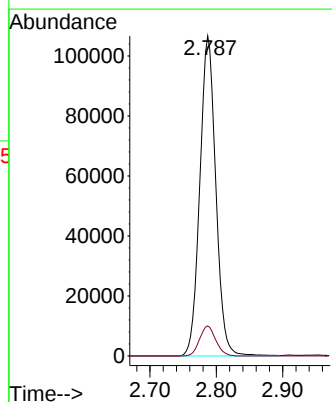
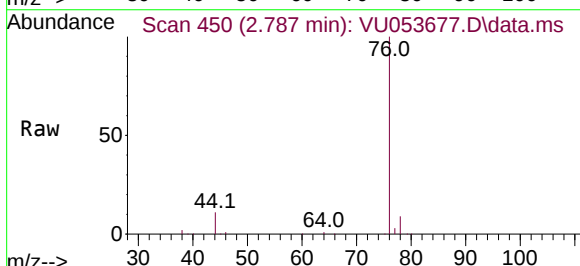
Acq: 13 Apr 2023 09:55

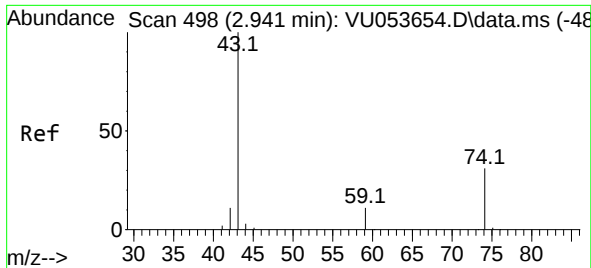
Tgt Ion: 76 Resp: 179039

Ion Ratio Lower Upper

76 100

78 9.4 8.2 12.2

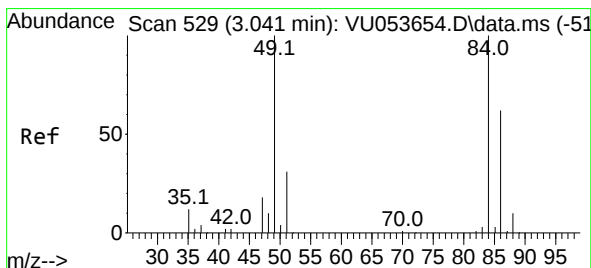
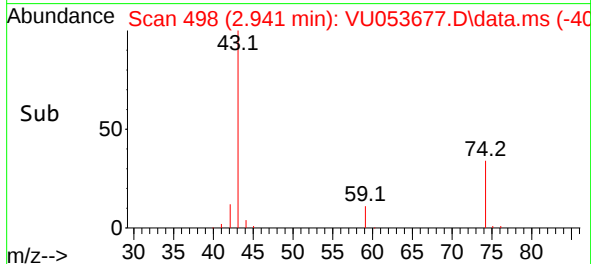
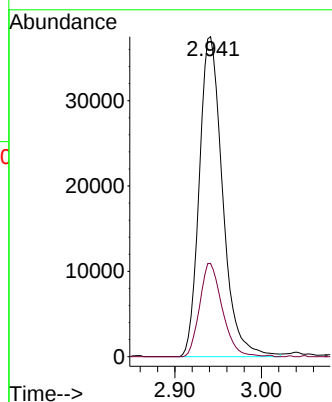
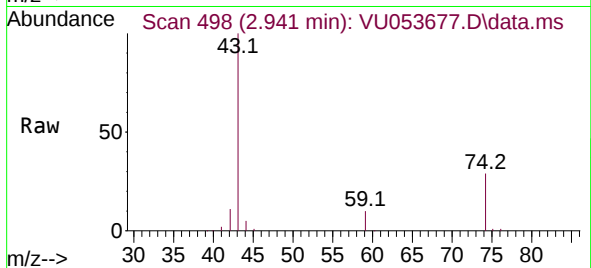




#15
Methyl Acetate
Concen: 55.518 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

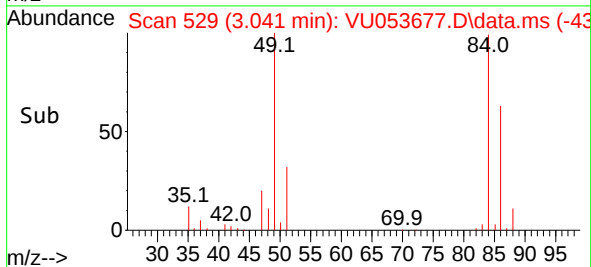
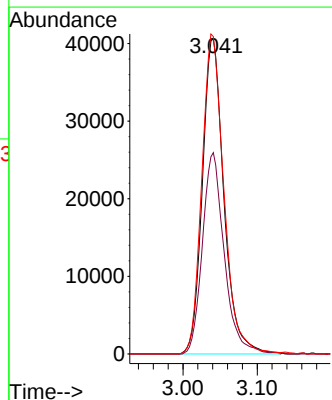
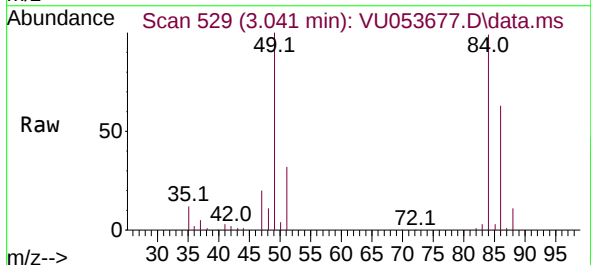
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

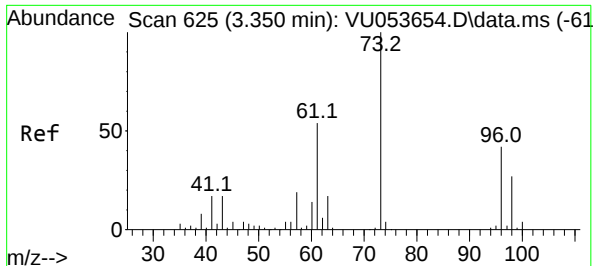
Tgt Ion: 43 Resp: 70120
Ion Ratio Lower Upper
43 100
74 28.2 22.0 33.0



#16
Methylene chloride
Concen: 45.504 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 84 Resp: 81678
Ion Ratio Lower Upper
84 100
86 63.9 43.5 80.9
49 100.7 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 43.446 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

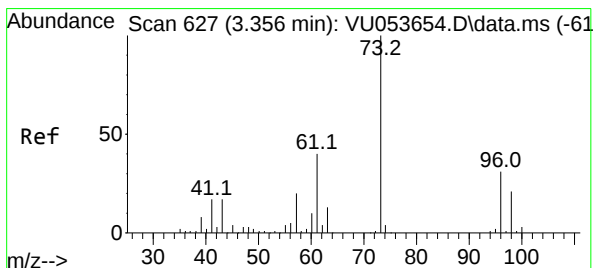
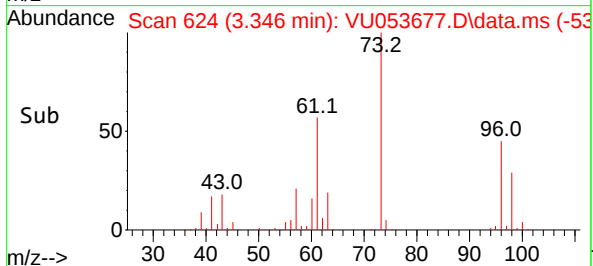
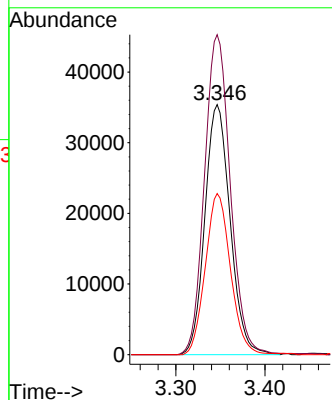
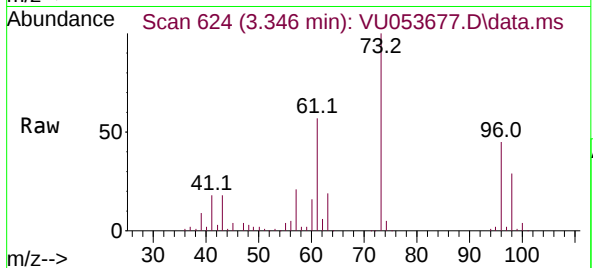
Tgt Ion: 96 Resp: 69728

Ion Ratio Lower Upper

96 100

61 127.9 84.4 156.8

98 64.4 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 48.327 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

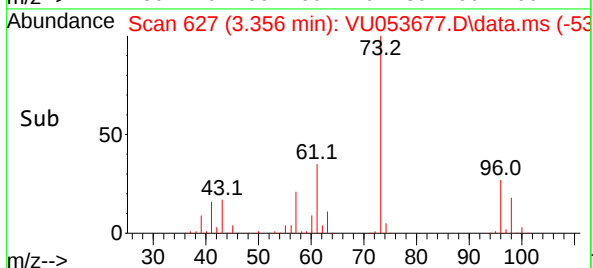
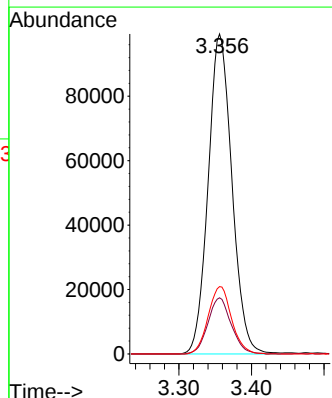
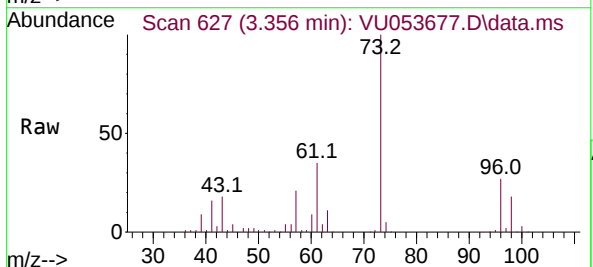
Tgt Ion: 73 Resp: 226076

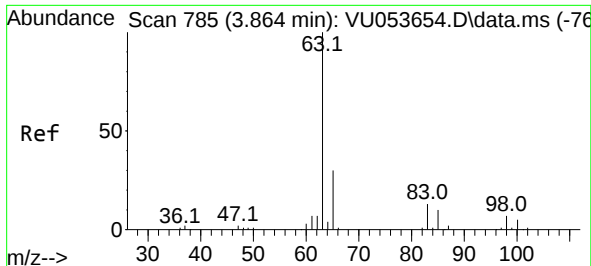
Ion Ratio Lower Upper

73 100

43 17.2 13.8 20.8

57 20.7 15.9 23.9





#19

1,1-Dichloroethane

Concen: 49.228 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

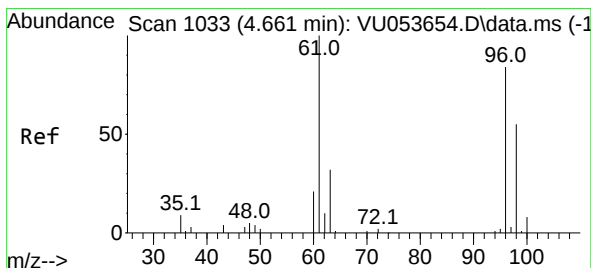
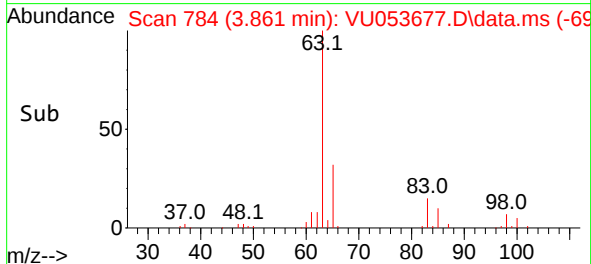
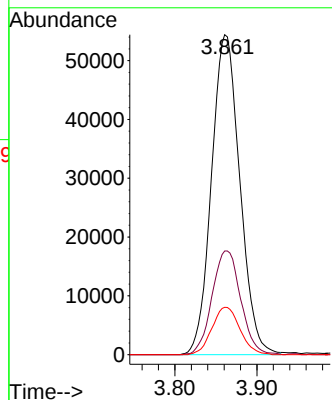
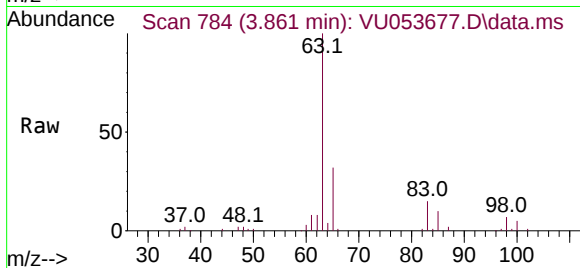
Tgt Ion: 63 Resp: 130877

Ion Ratio Lower Upper

63 100

65 32.4 22.0 41.0

83 14.8 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 44.354 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

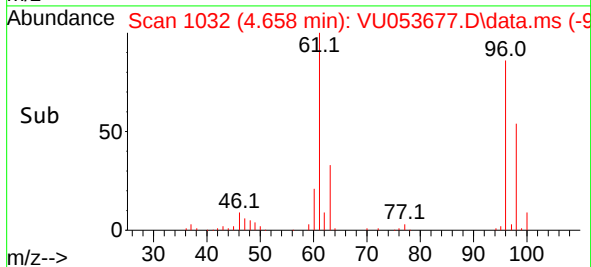
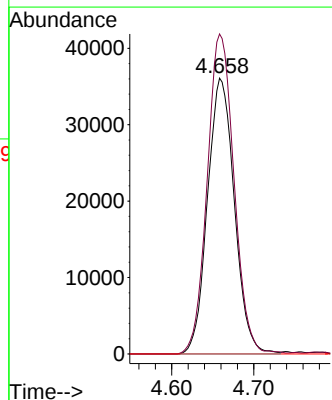
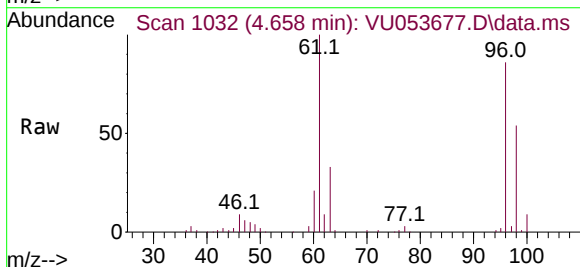
Tgt Ion: 96 Resp: 82223

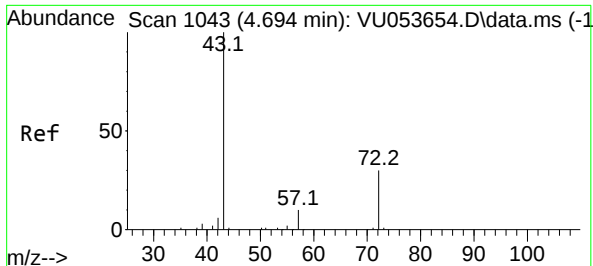
Ion Ratio Lower Upper

96 100

61 116.0 74.7 138.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.416 ug/L

RT: 4.694 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

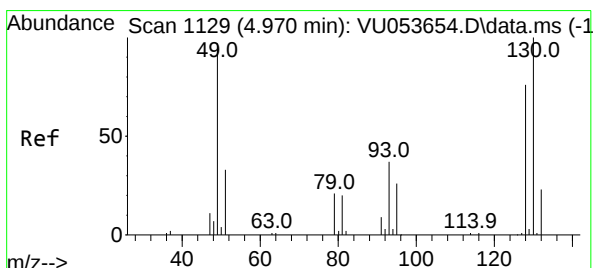
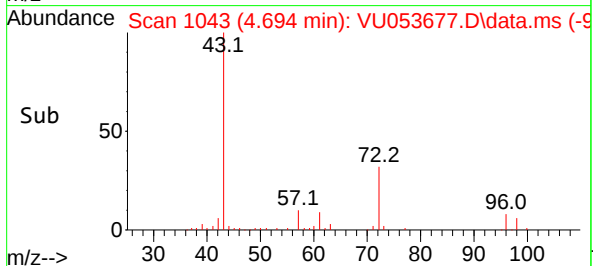
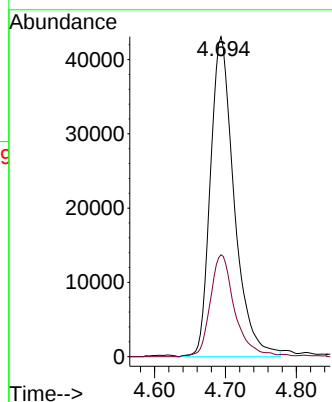
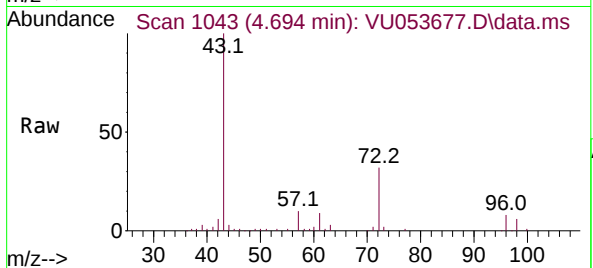
VSTD050197

Tgt Ion: 43 Resp: 100313

Ion Ratio Lower Upper

43 100

72 32.6 15.8 47.3



#23

Bromochloromethane

Concen: 42.627 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Tgt Ion:128 Resp: 44016

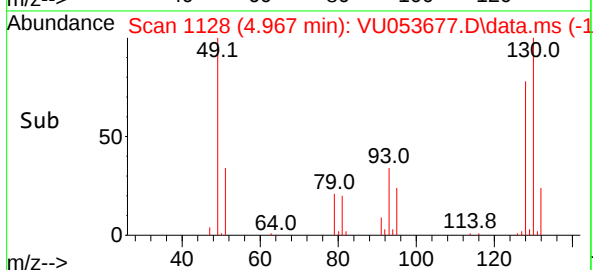
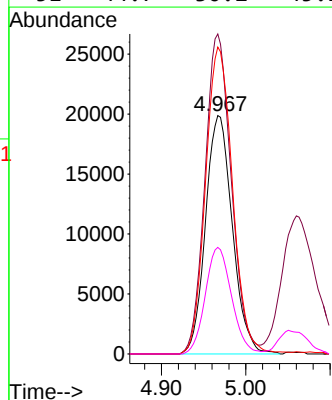
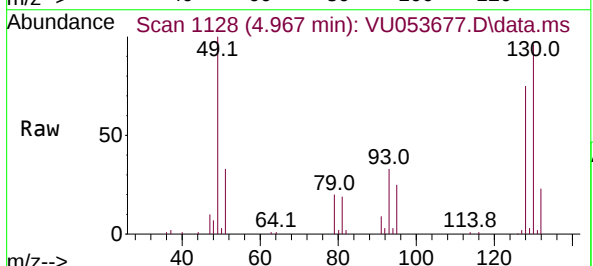
Ion Ratio Lower Upper

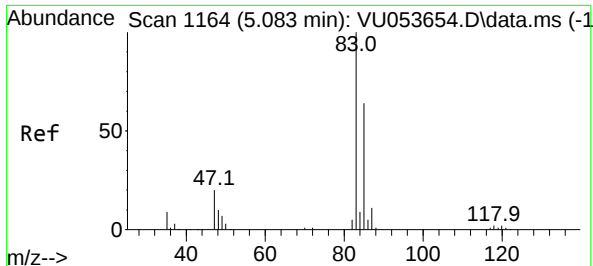
128 100

49 134.2 81.5 151.3

130 128.7 91.8 170.4

51 44.7 30.2 45.2





#25

Chloroform

Concen: 47.193 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

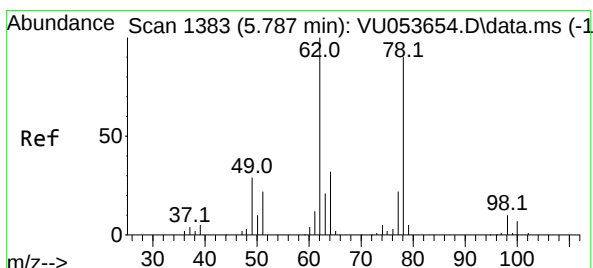
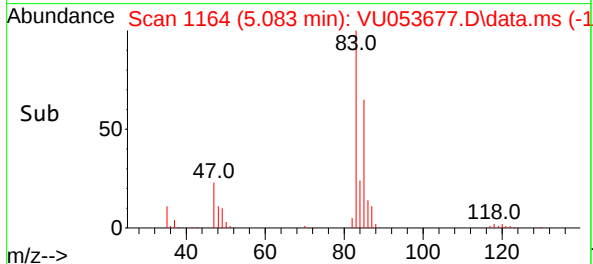
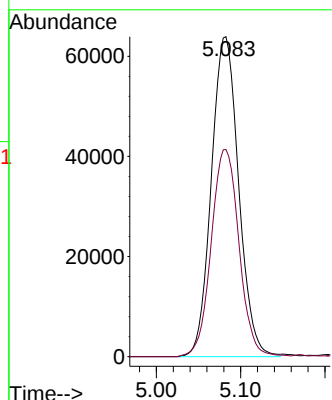
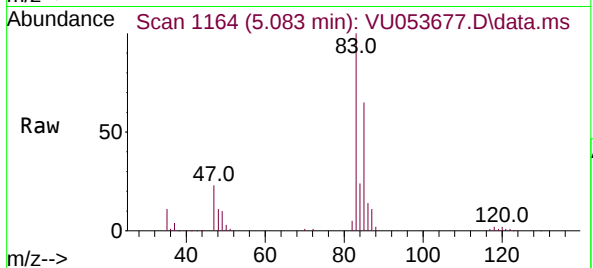
VSTD050197

Tgt Ion: 83 Resp: 143906

Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 49.443 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053677.D

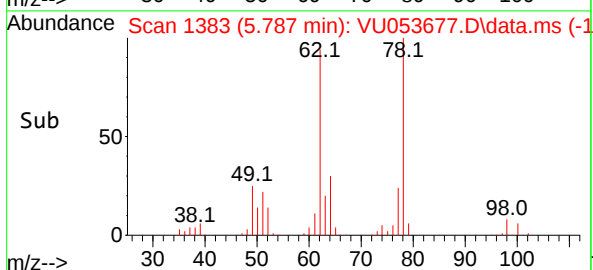
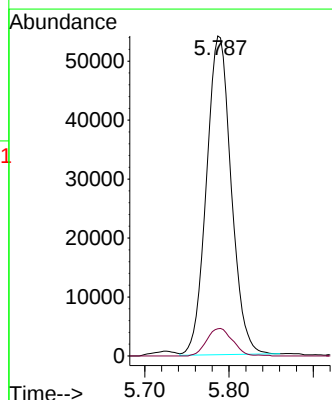
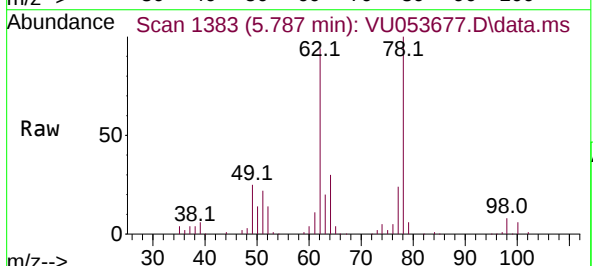
Acq: 13 Apr 2023 09:55

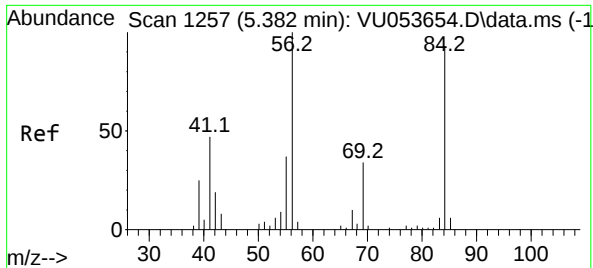
Tgt Ion: 62 Resp: 110414

Ion Ratio Lower Upper

62 100

98 8.5 8.3 12.5





#29

Cyclohexane

Concen: 44.804 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

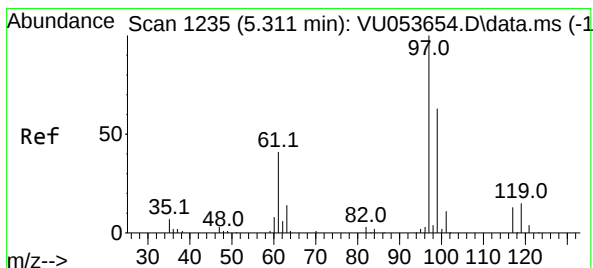
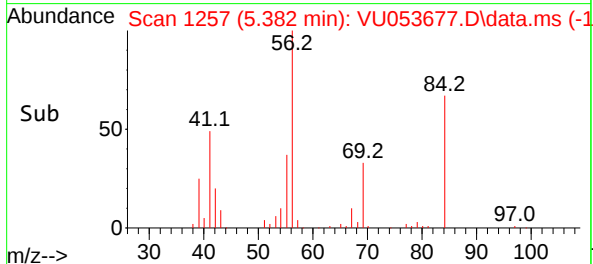
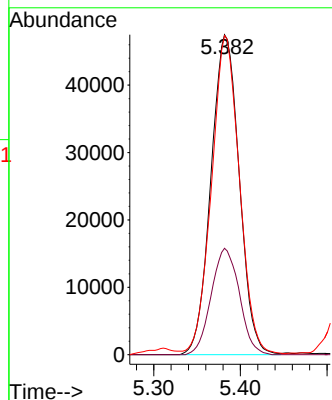
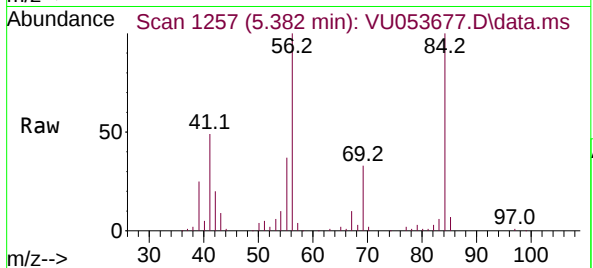
Tgt Ion: 56 Resp: 107566

Ion Ratio Lower Upper

56 100

69 33.0 27.3 40.9

84 97.4 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 43.620 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

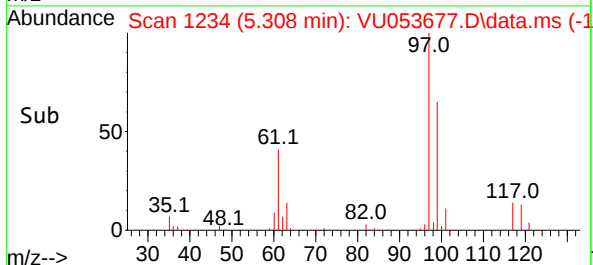
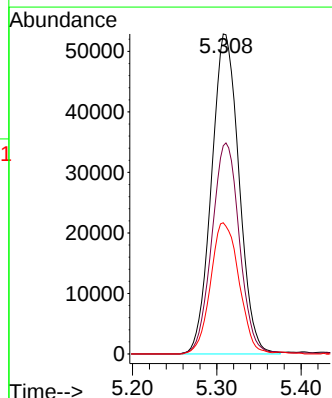
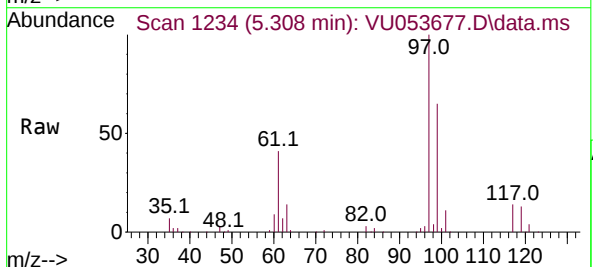
Tgt Ion: 97 Resp: 119866

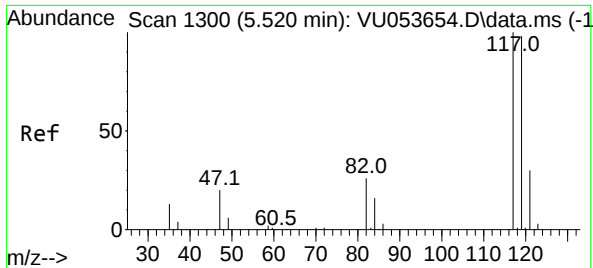
Ion Ratio Lower Upper

97 100

99 66.0 51.6 77.4

61 42.4 31.0 46.4

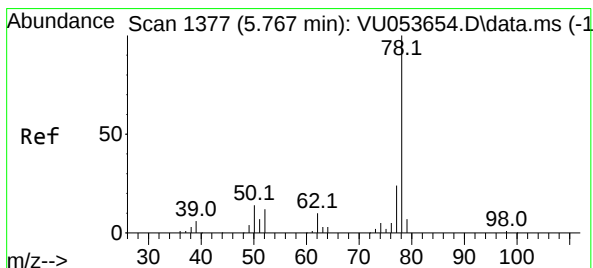
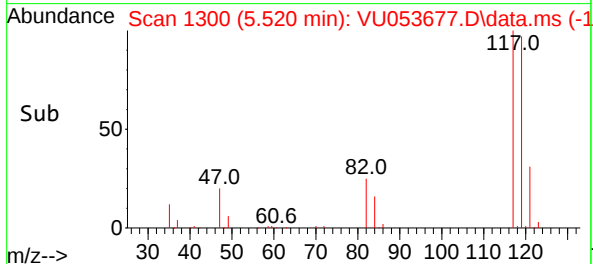
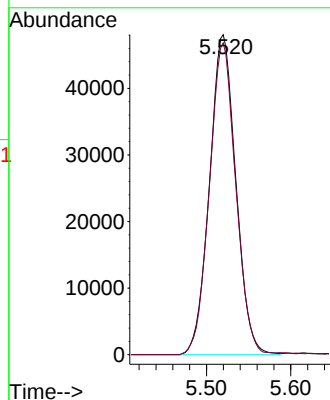
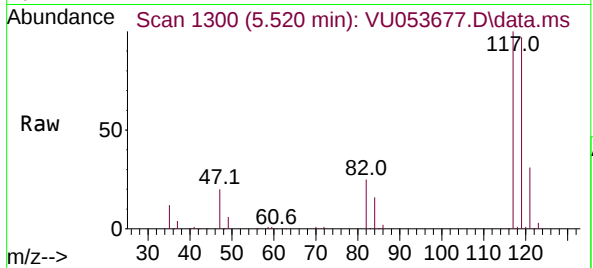




#31
Carbon tetrachloride
Concen: 42.385 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

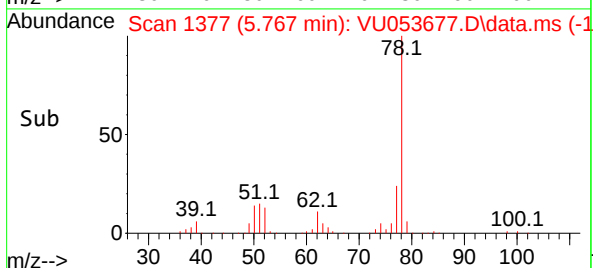
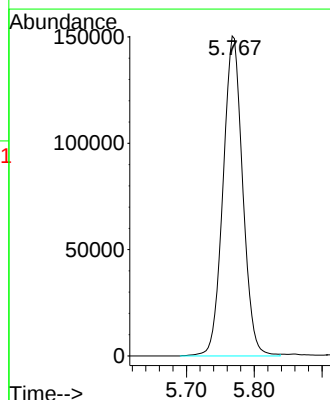
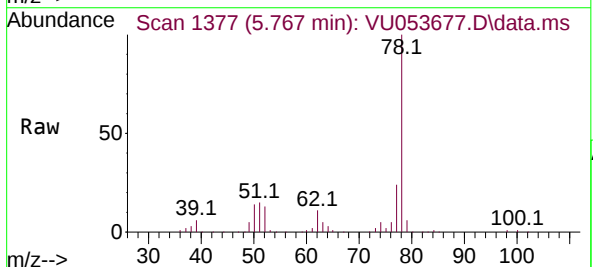
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

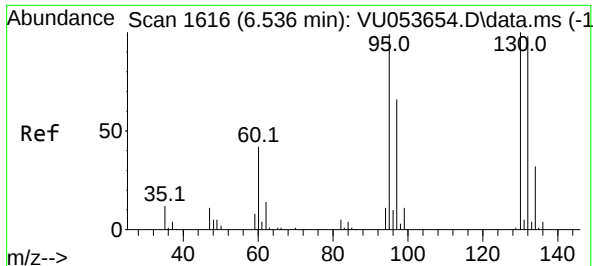
Tgt Ion:117 Resp: 104353
Ion Ratio Lower Upper
117 100
119 97.2 76.9 115.3



#33
Benzene
Concen: 46.623 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 78 Resp: 302937

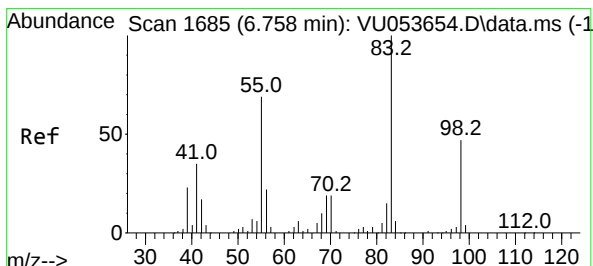
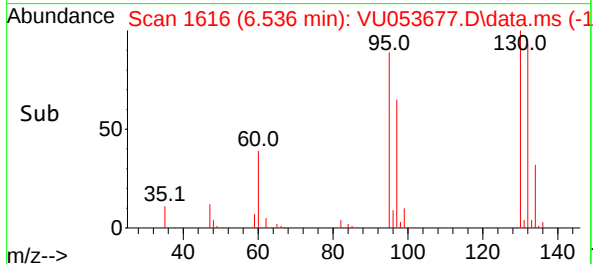
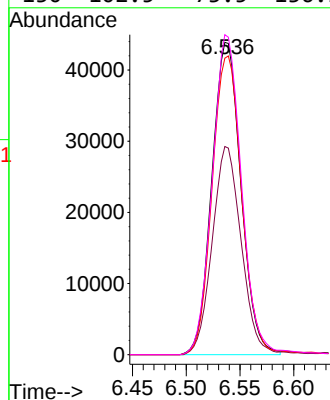
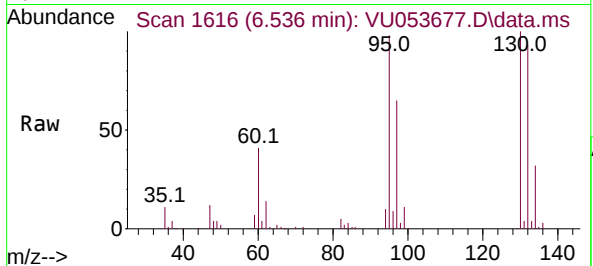




#34
Trichloroethene
Concen: 42.078 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

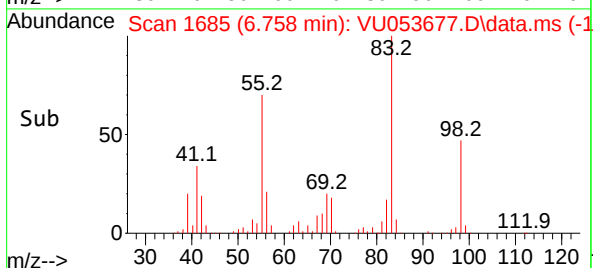
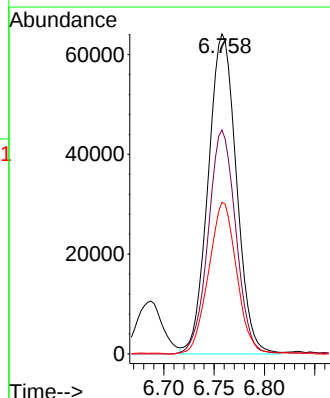
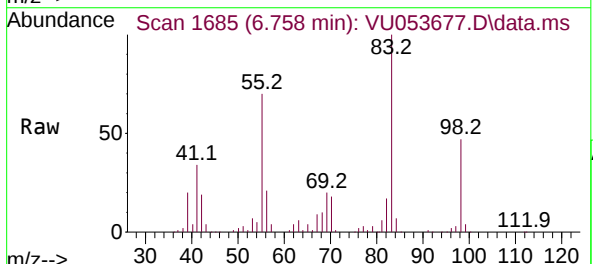
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

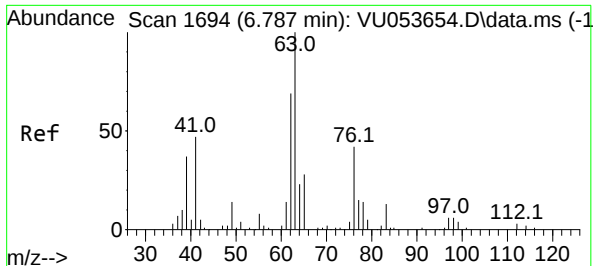
Tgt Ion: 95 Resp: 82692
Ion Ratio Lower Upper
95 100
97 66.6 45.1 83.7
132 94.9 74.1 137.5
130 102.5 73.5 136.5



#35
Methylcyclohexane
Concen: 43.453 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 83 Resp: 125525
Ion Ratio Lower Upper
83 100
55 68.2 53.0 79.6
98 47.1 39.0 58.6

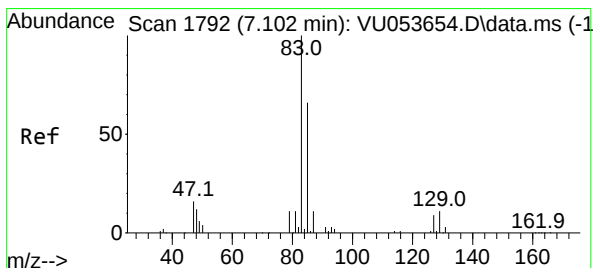
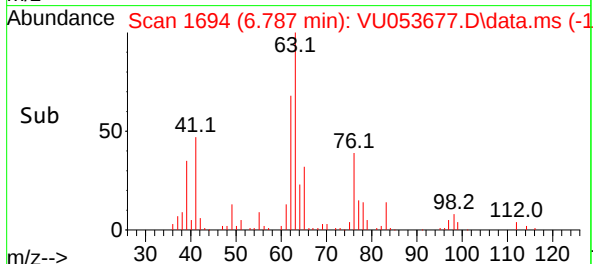
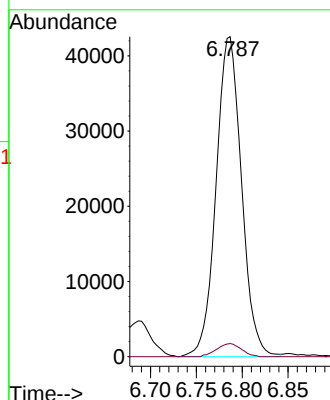
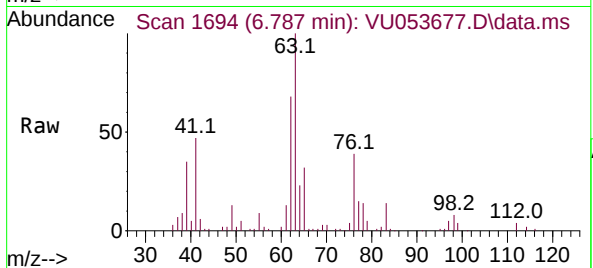




#37
1,2-Dichloropropane
Concen: 49.760 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

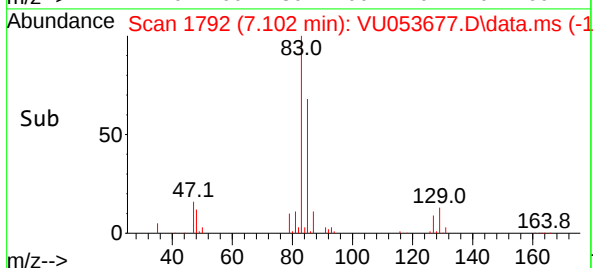
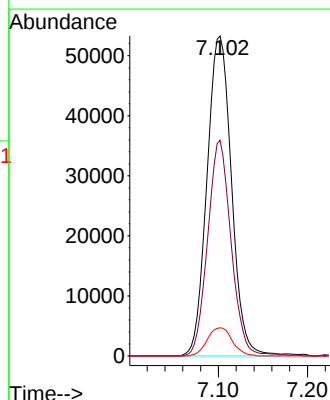
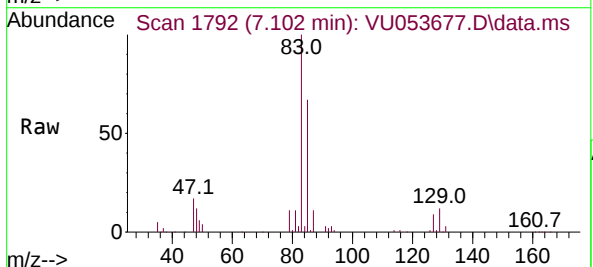
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

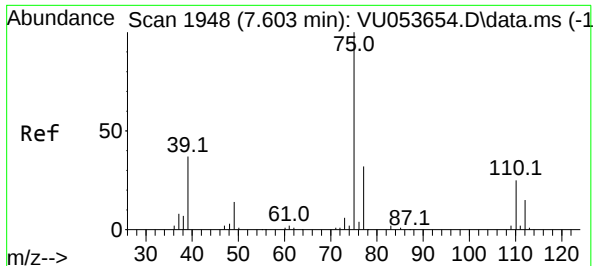
Tgt Ion: 63 Resp: 82097
Ion Ratio Lower Upper
63 100
112 4.0 3.8 5.6



#38
Bromodichloromethane
Concen: 46.241 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 83 Resp: 101776
Ion Ratio Lower Upper
83 100
85 67.4 44.4 82.5
127 8.8 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 45.589 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

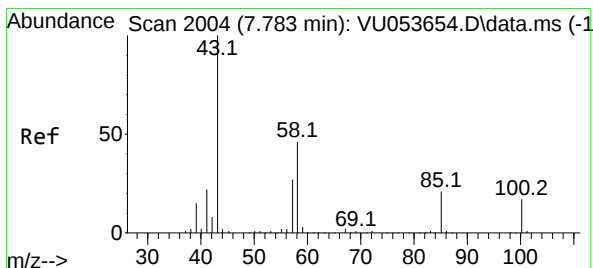
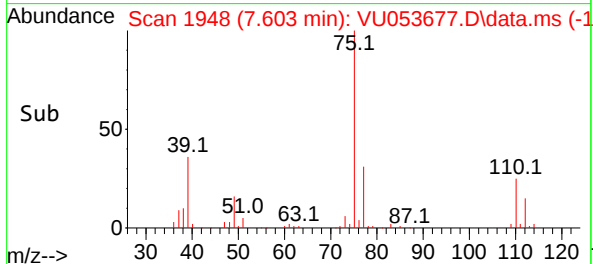
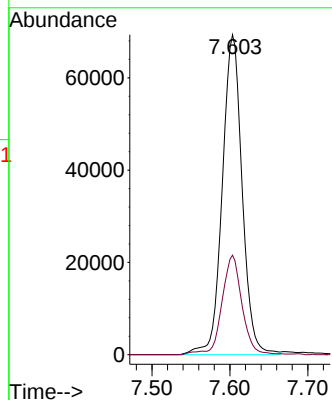
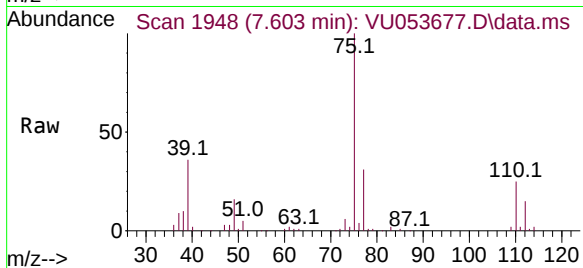
VSTD050197

Tgt Ion: 75 Resp: 122911

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 108.892 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

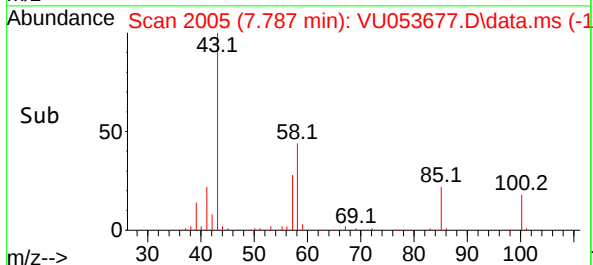
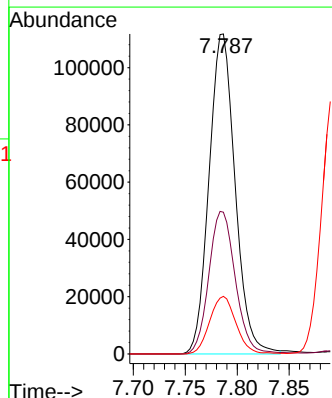
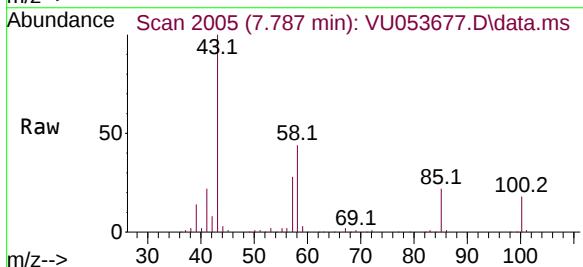
Tgt Ion: 43 Resp: 195232

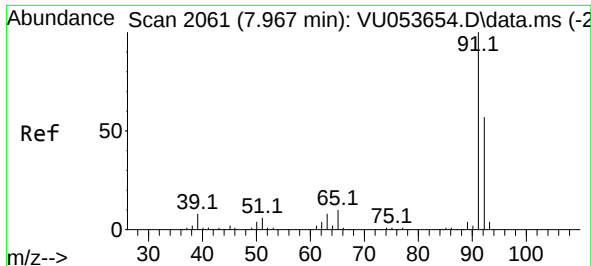
Ion Ratio Lower Upper

43 100

58 45.4 35.5 53.3

100 18.0 15.8 23.8





#42

Toluene

Concen: 44.908 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

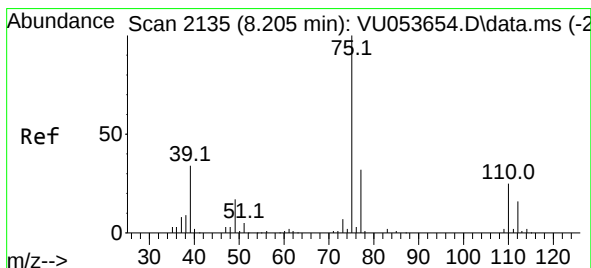
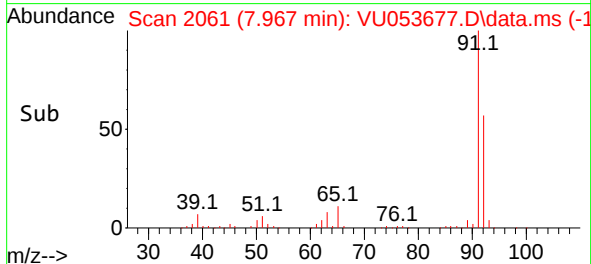
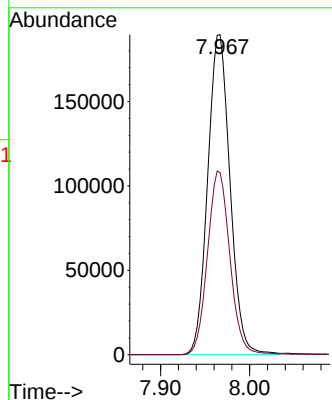
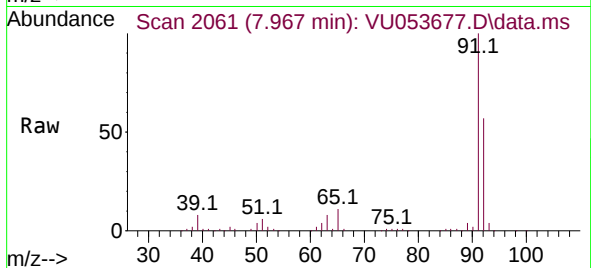
VSTD050197

Tgt Ion: 91 Resp: 330681

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 45.470 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053677.D

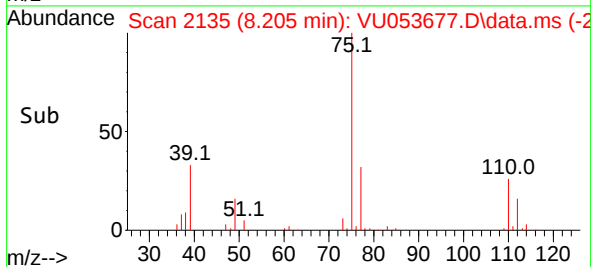
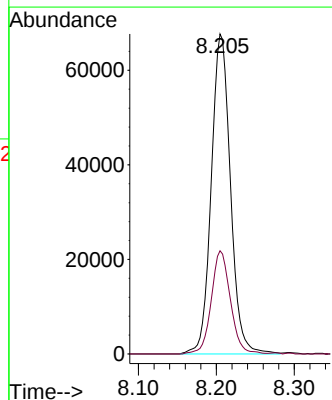
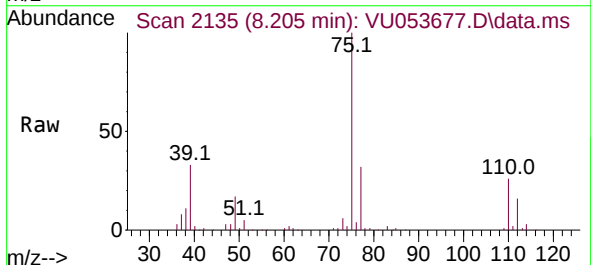
Acq: 13 Apr 2023 09:55

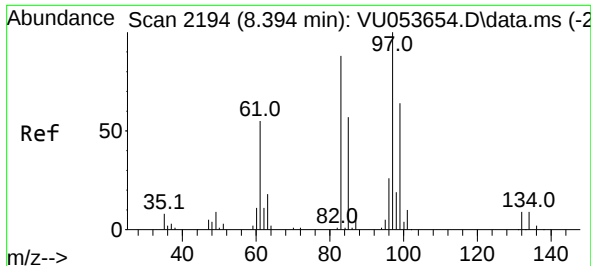
Tgt Ion: 75 Resp: 115893

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4

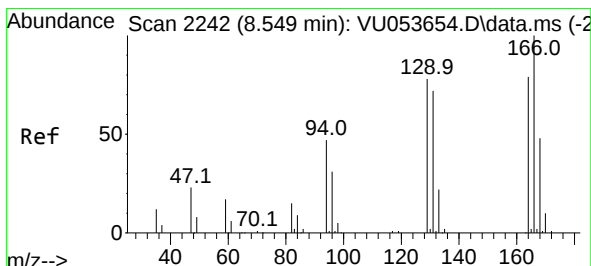
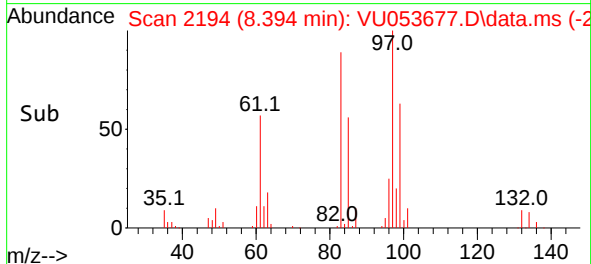
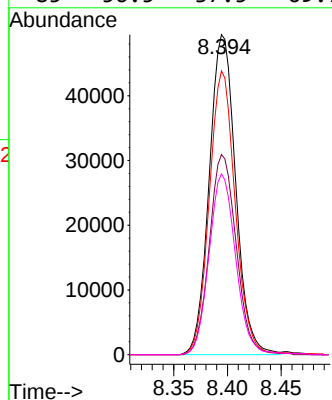
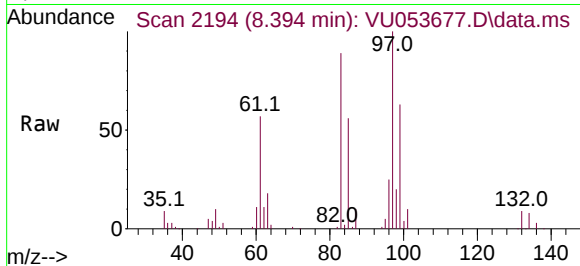




#45
1,1,2-Trichloroethane
Concen: 46.775 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

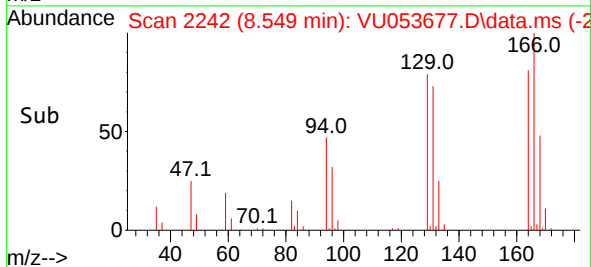
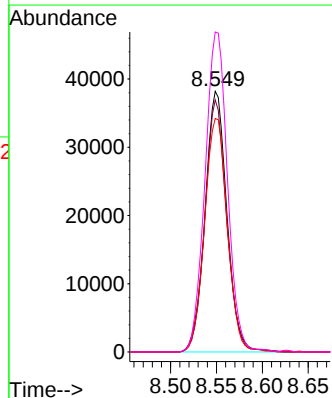
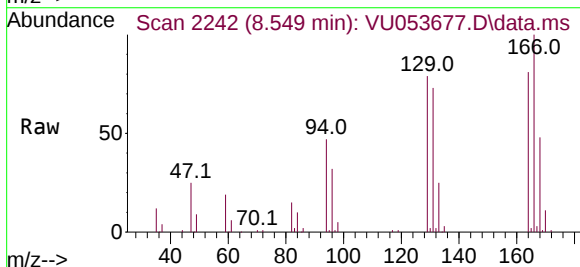
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

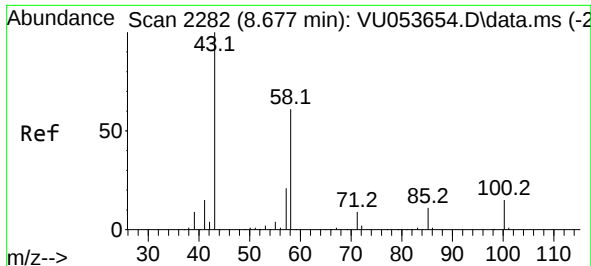
Tgt Ion:	97	Resp:	84729
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.3
83	88.7	59.0	109.6
85	56.5	37.5	69.7



#46
Tetrachloroethene
Concen: 38.719 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion:	164	Resp:	63144
Ion	Ratio	Lower	Upper
164	100		
129	96.7	64.0	119.0
131	89.6	61.9	115.1
166	122.8	90.6	168.2



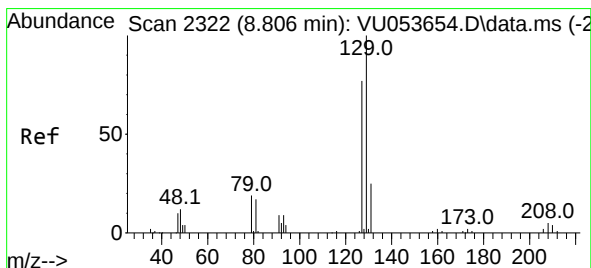
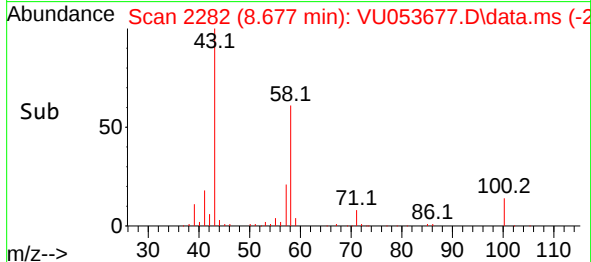
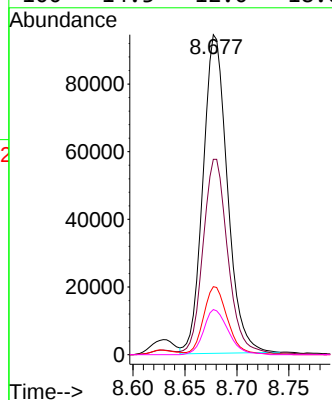
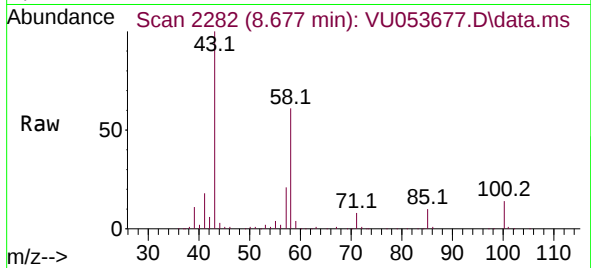


#48
2-Hexanone
Concen: 105.929 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

Tgt Ion: 43 Resp: 153629

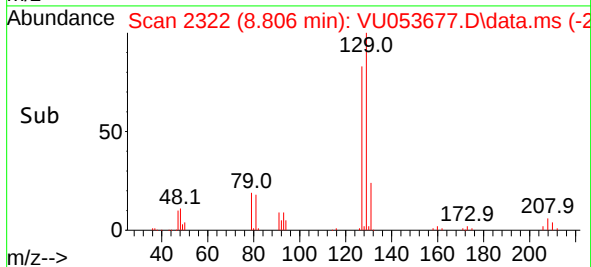
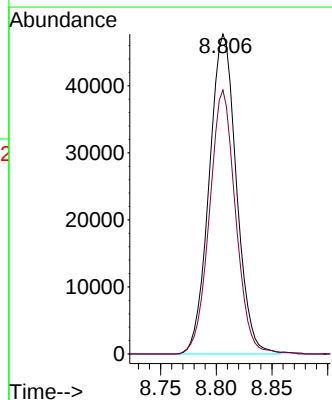
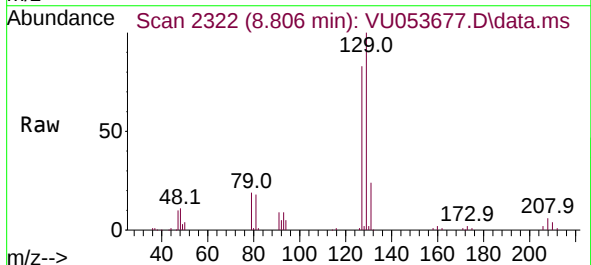
Ion	Ratio	Lower	Upper
43	100		
58	62.2	49.8	74.6
57	20.8	17.8	26.6
100	14.3	12.0	18.0

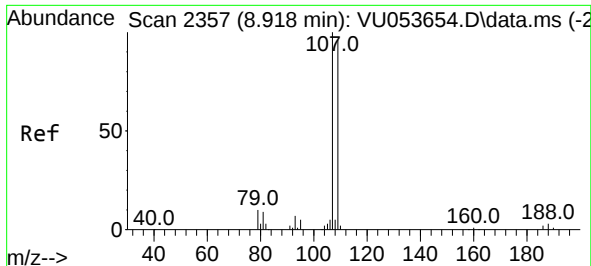


#49
Dibromochloromethane
Concen: 43.041 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 129 Resp: 81068

Ion	Ratio	Lower	Upper
129	100		
127	82.5	53.5	99.3





#50

1,2-Dibromoethane

Concen: 44.736 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

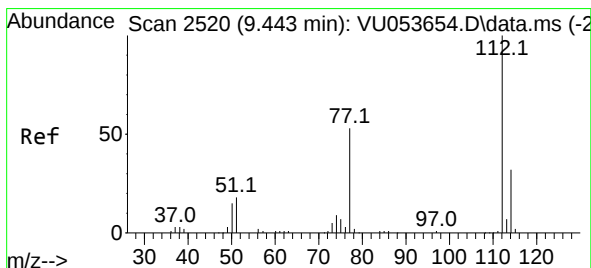
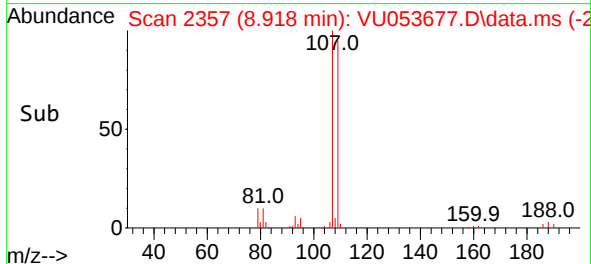
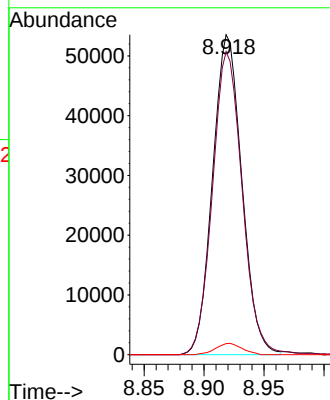
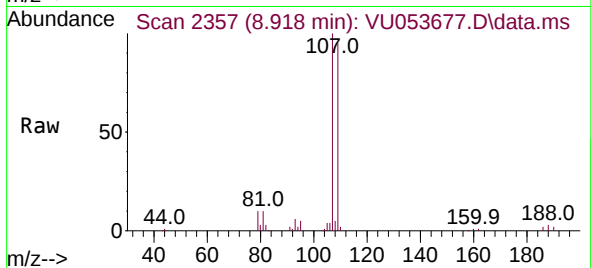
Tgt Ion:107 Resp: 90662

Ion Ratio Lower Upper

107 100

109 94.7 66.3 123.1

188 3.5 3.0 4.4



#51

Chlorobenzene

Concen: 43.164 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

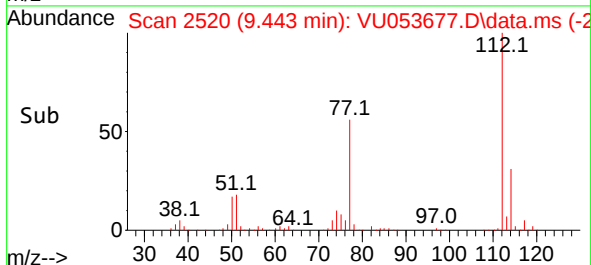
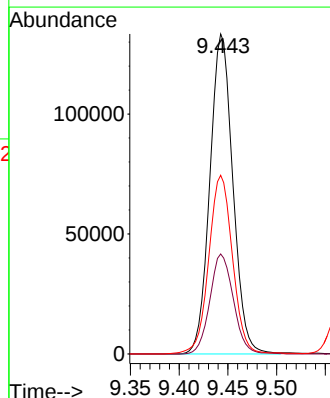
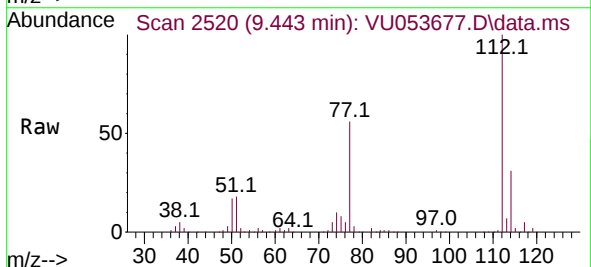
Tgt Ion:112 Resp: 218990

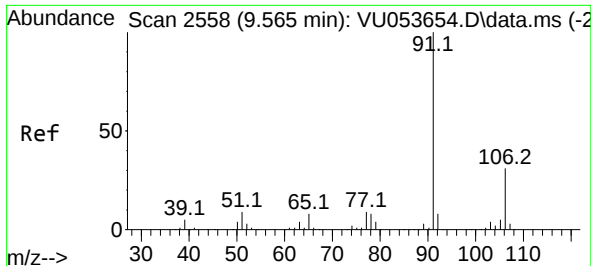
Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

77 55.8 41.3 61.9

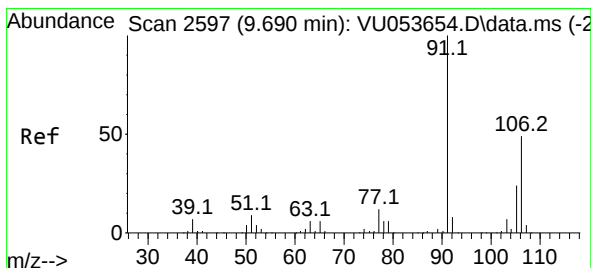
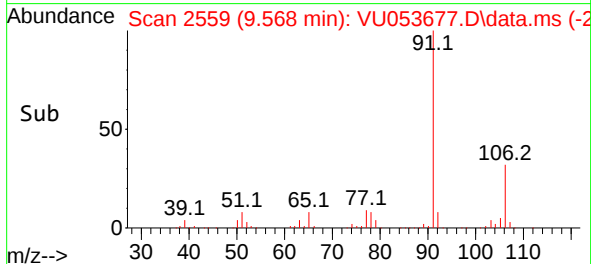
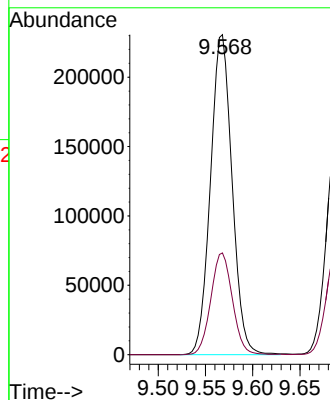
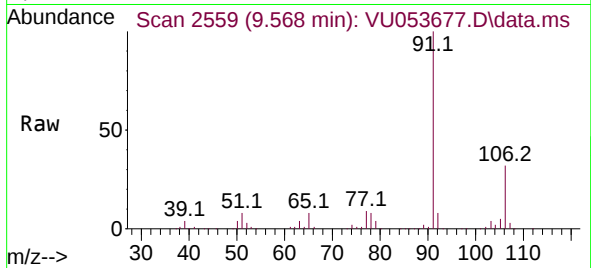




#52
Ethylbenzene
Concen: 44.745 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

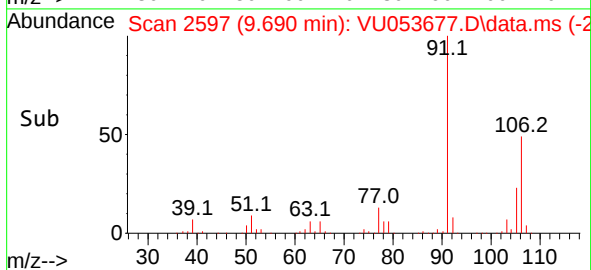
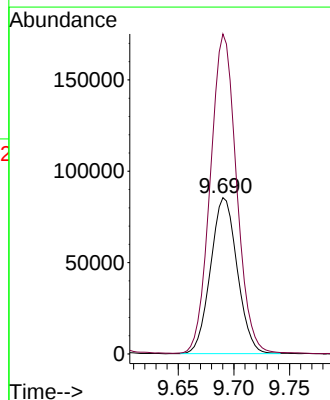
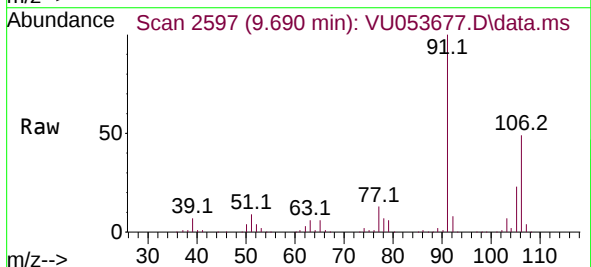
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

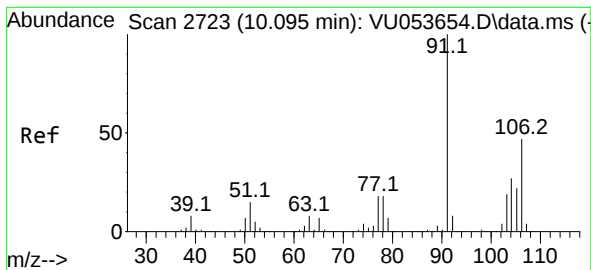
Tgt Ion: 91 Resp: 366774
Ion Ratio Lower Upper
91 100
106 31.8 22.4 41.6



#53
m,p-Xylene
Concen: 44.294 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 106 Resp: 141999
Ion Ratio Lower Upper
106 100
91 204.7 140.0 260.0

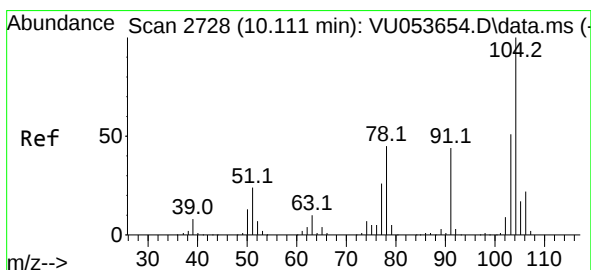
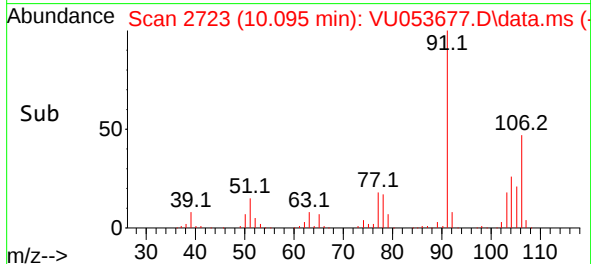
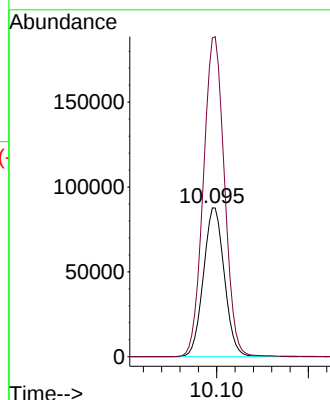
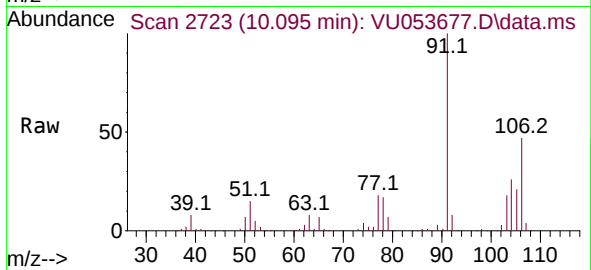




#54
o-Xylene
Concen: 43.951 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

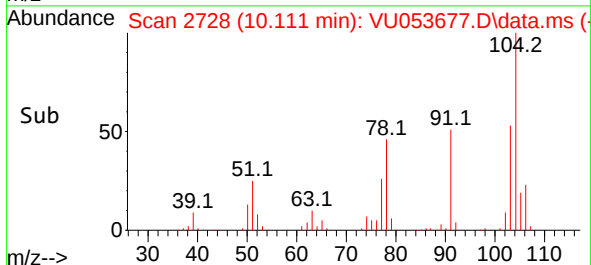
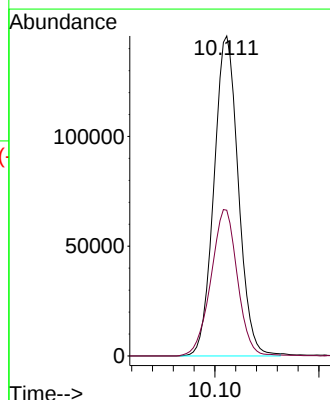
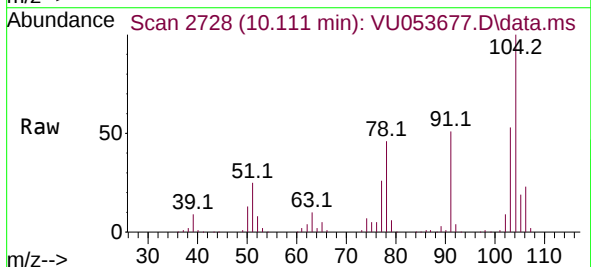
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

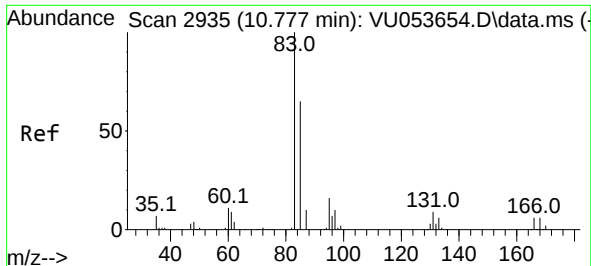
Tgt Ion:106 Resp: 139305
Ion Ratio Lower Upper
106 100
91 214.1 144.9 269.1



#55
Styrene
Concen: 46.039 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion:104 Resp: 237683
Ion Ratio Lower Upper
104 100
78 45.6 31.3 58.1

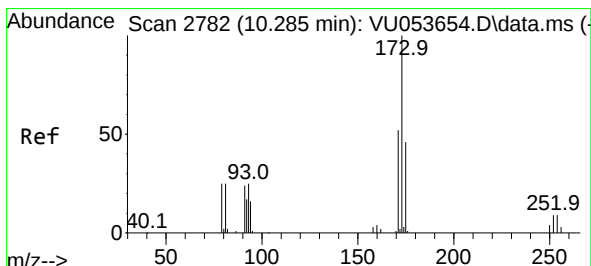
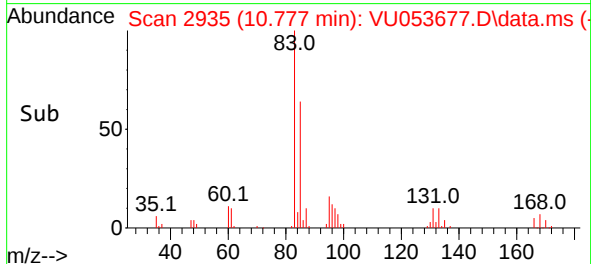
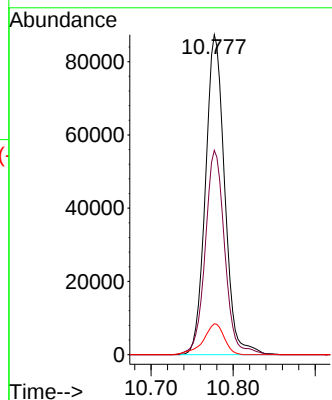
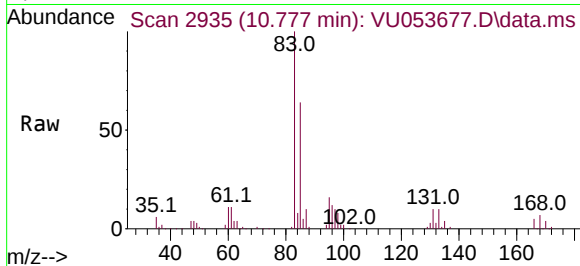




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.403 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053677.D
 Acq: 13 Apr 2023 09:55

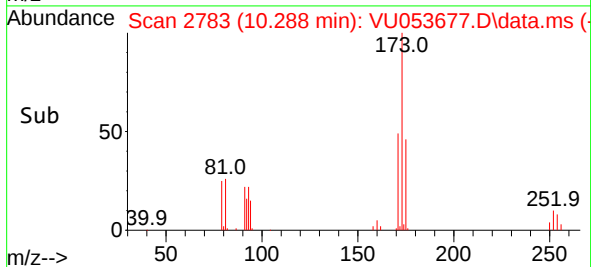
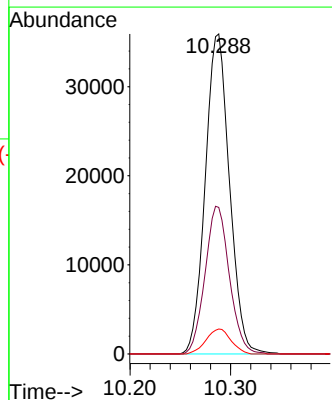
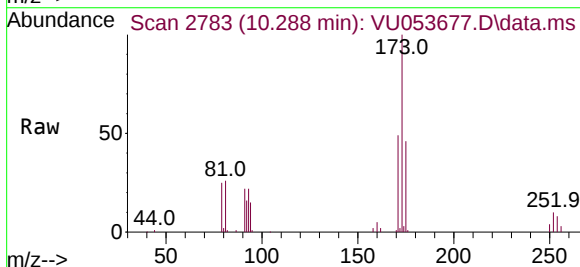
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050197

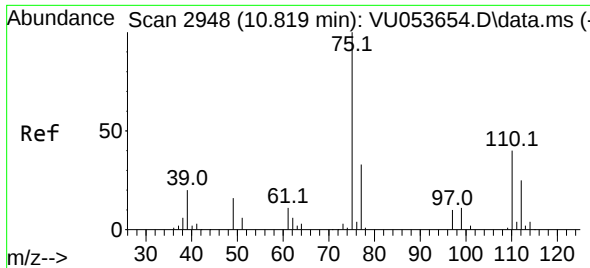
Tgt Ion: 83 Resp: 142030
 Ion Ratio Lower Upper
 83 100
 85 63.8 47.0 87.4
 131 9.6 8.7 13.1



#59
 Bromoform
 Concen: 42.389 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU053677.D
 Acq: 13 Apr 2023 09:55

Tgt Ion: 173 Resp: 60056
 Ion Ratio Lower Upper
 173 100
 175 46.4 39.0 58.6
 254 8.0 7.0 10.4

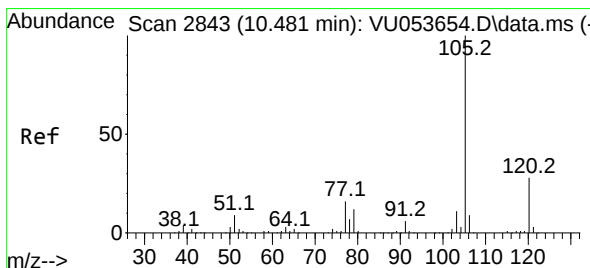
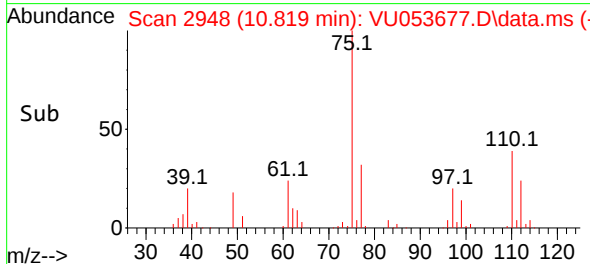
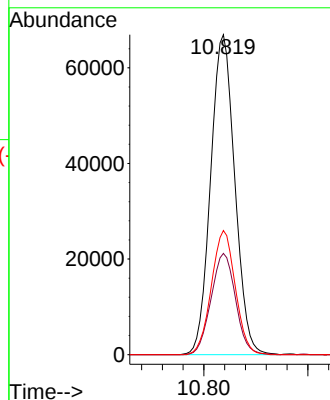
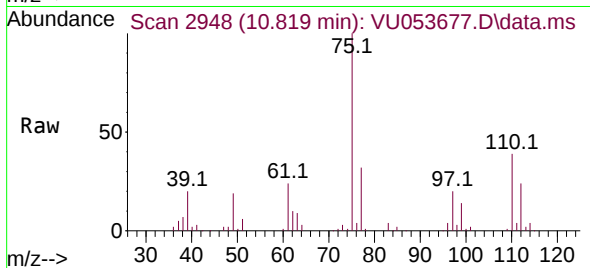




#60
1,2,3-Trichloropropane
Concen: 53.865 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

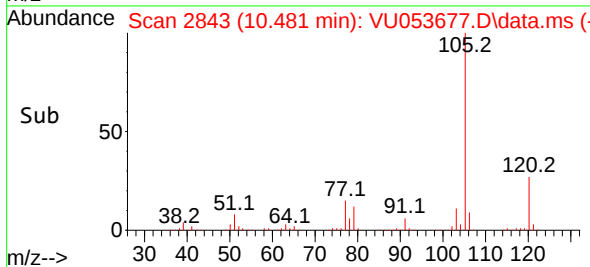
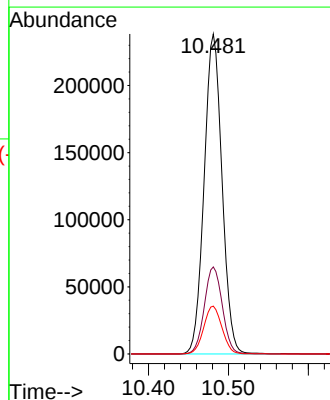
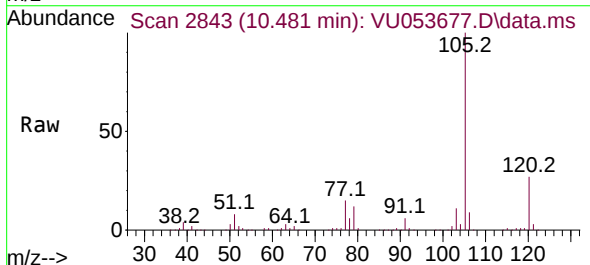
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

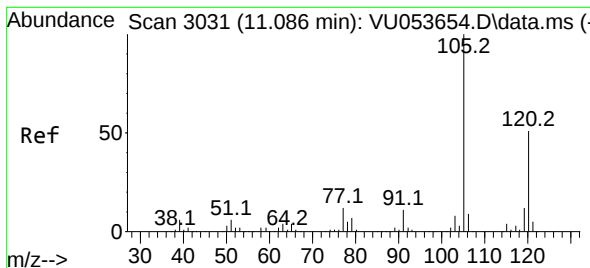
Tgt Ion: 75 Resp: 108106
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 38.4 32.6 48.8



#61
Isopropylbenzene
Concen: 45.318 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion: 105 Resp: 370863
Ion Ratio Lower Upper
105 100
120 27.4 22.4 33.6
77 15.2 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 45.718 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

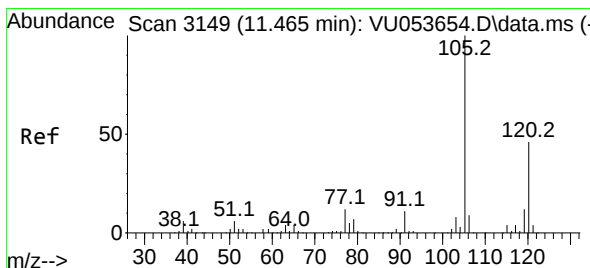
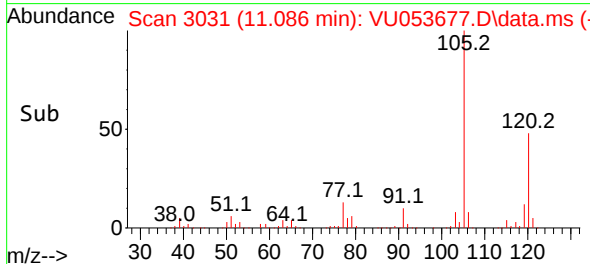
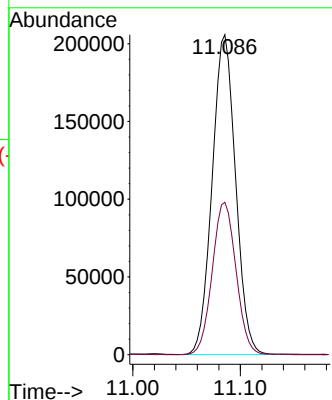
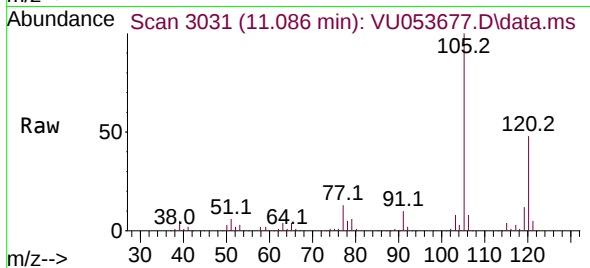
VSTD050197

Tgt Ion:105 Resp: 311015

Ion Ratio Lower Upper

105 100

120 48.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 45.637 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU053677.D

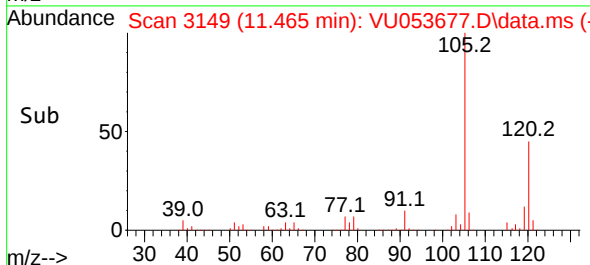
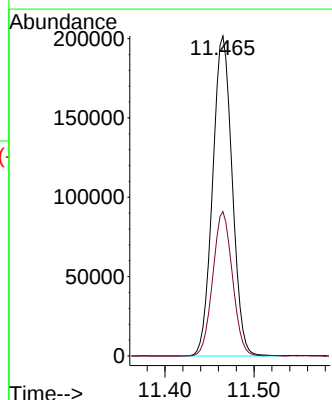
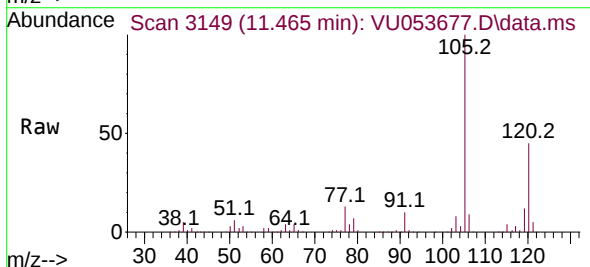
Acq: 13 Apr 2023 09:55

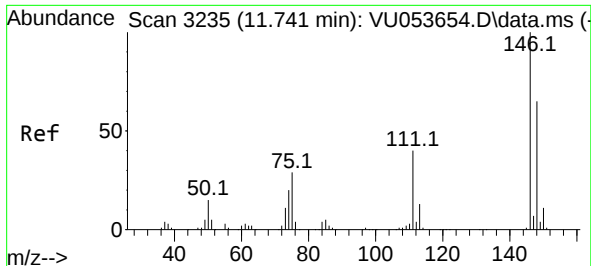
Tgt Ion:105 Resp: 307493

Ion Ratio Lower Upper

105 100

120 45.3 37.5 56.3

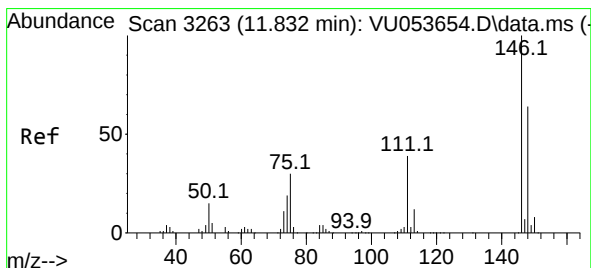
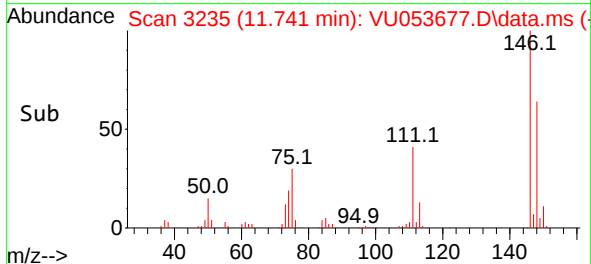
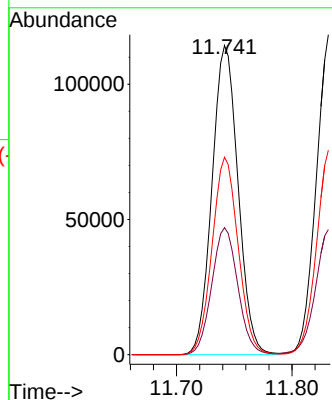
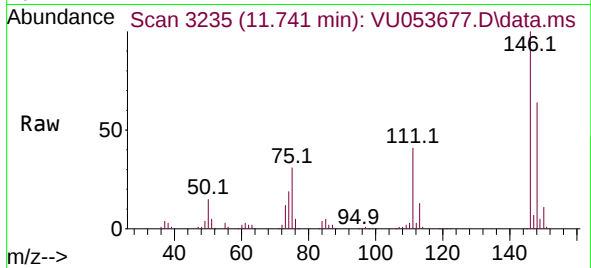




#64
1,3-Dichlorobenzene
Concen: 41.870 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

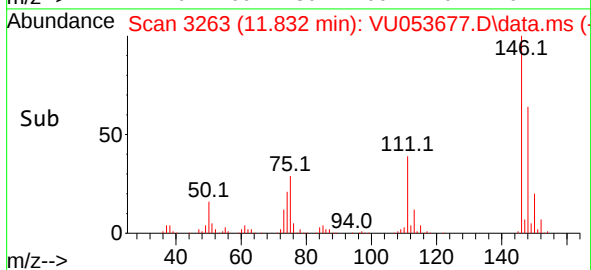
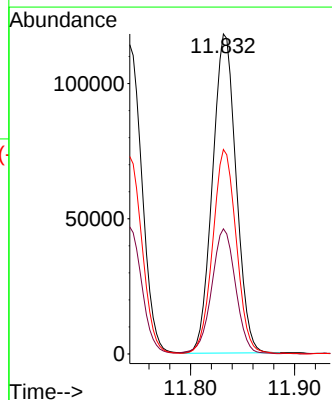
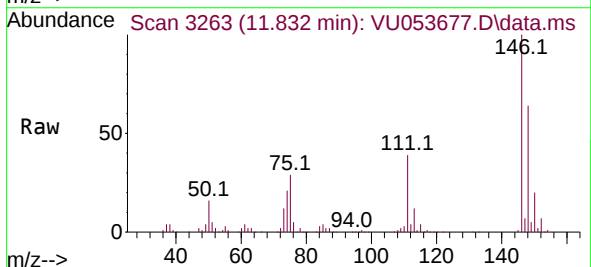
Instrument :
MSVOA_U
ClientSampleId :
VSTD050197

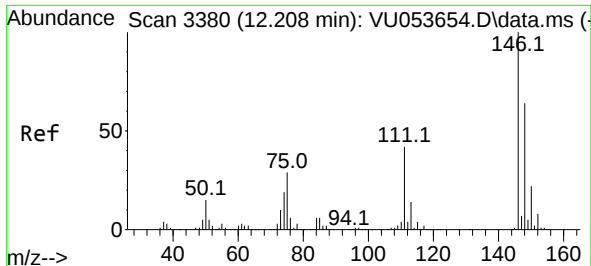
Tgt Ion:146 Resp: 179043
Ion Ratio Lower Upper
146 100
111 41.1 25.7 47.7
148 63.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 42.795 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053677.D
Acq: 13 Apr 2023 09:55

Tgt Ion:146 Resp: 186510
Ion Ratio Lower Upper
146 100
111 39.1 25.1 46.5
148 63.9 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 42.923 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

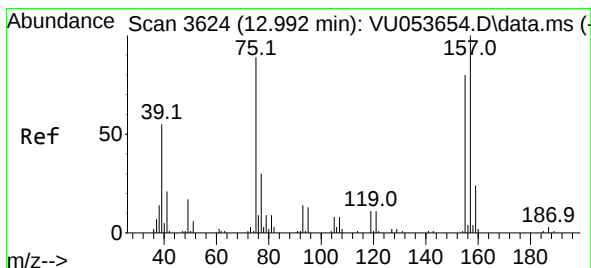
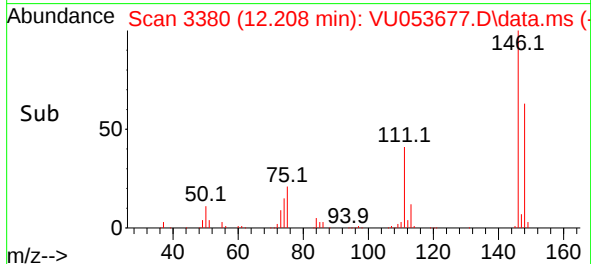
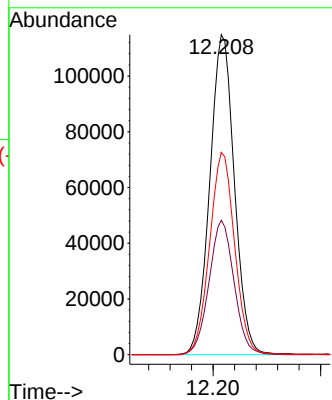
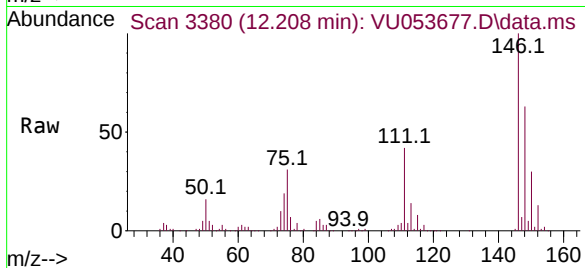
Tgt Ion:146 Resp: 182930

Ion Ratio Lower Upper

146 100

111 42.0 31.5 47.3

148 63.2 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 55.204 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

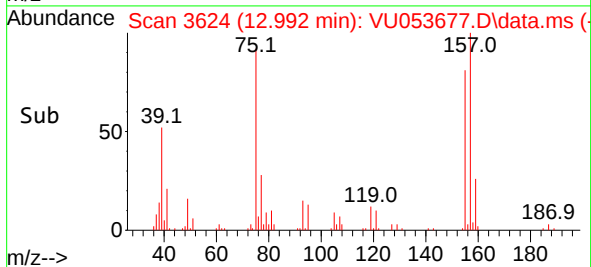
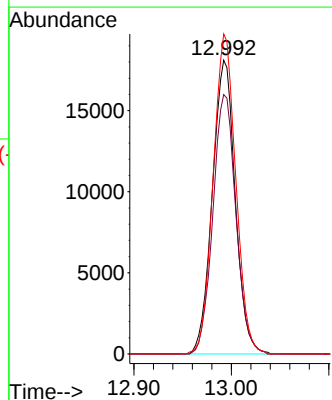
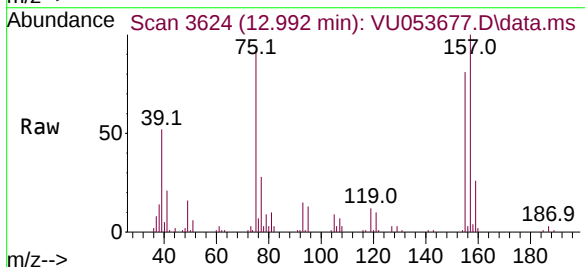
Tgt Ion: 75 Resp: 29536

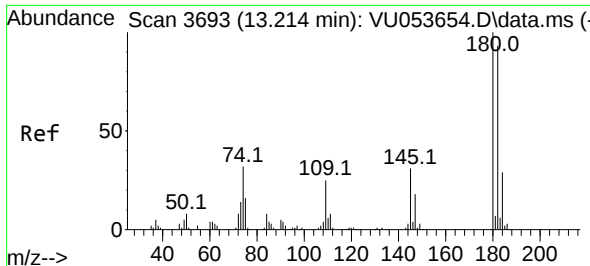
Ion Ratio Lower Upper

75 100

155 88.3 79.9 119.9

157 108.9 100.8 151.2





#69

1,3,5-Trichlorobenzene

Concen: 39.105 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

Tgt Ion:180 Resp: 123828

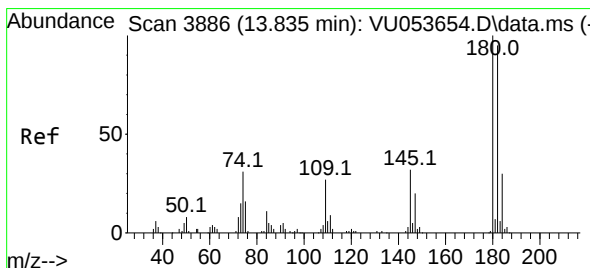
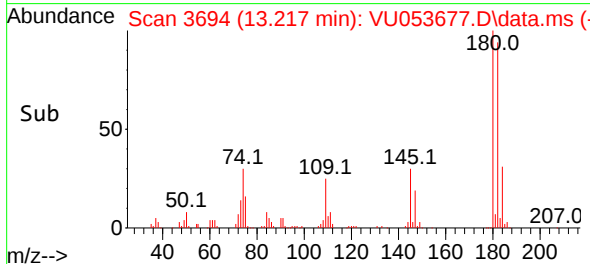
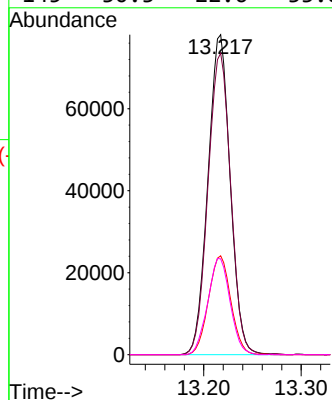
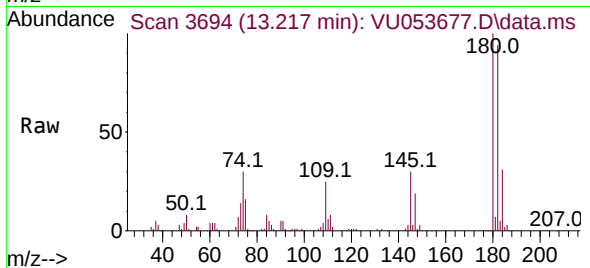
Ion Ratio Lower Upper

180 100

182 96.1 75.6 113.4

184 31.1 24.2 36.2

145 30.3 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 39.084 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

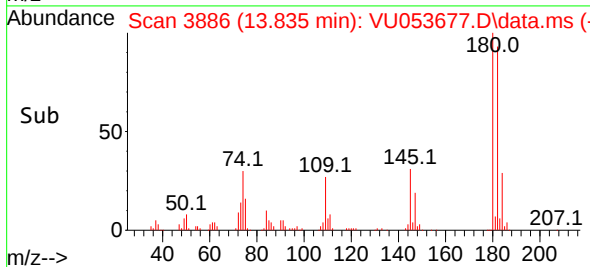
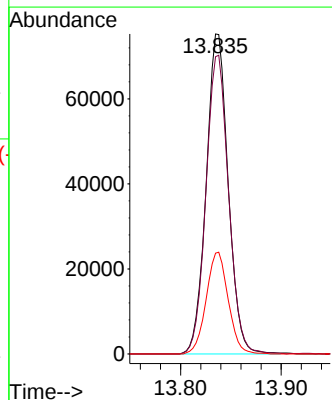
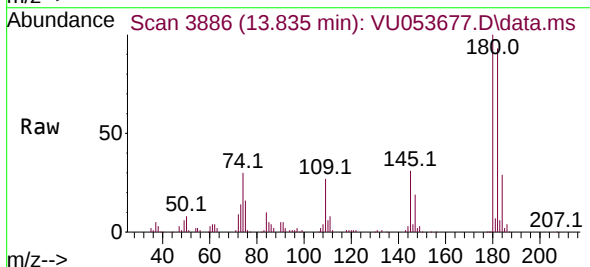
Tgt Ion:180 Resp: 114745

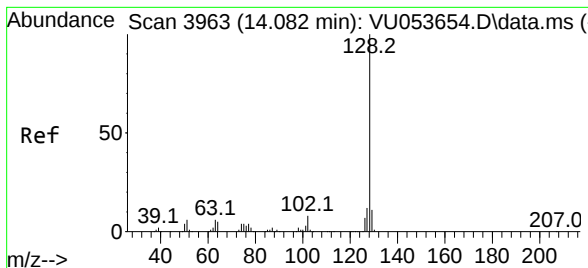
Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.8

145 31.6 23.4 35.2





#71

Naphthalene

Concen: 45.860 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050197

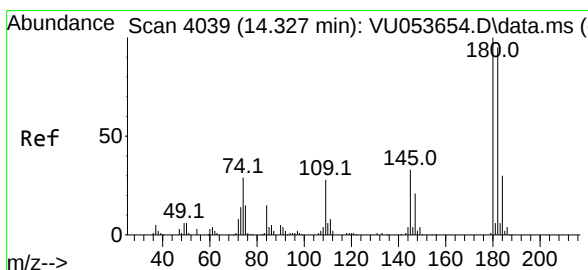
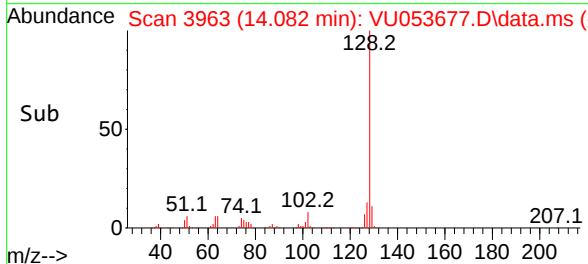
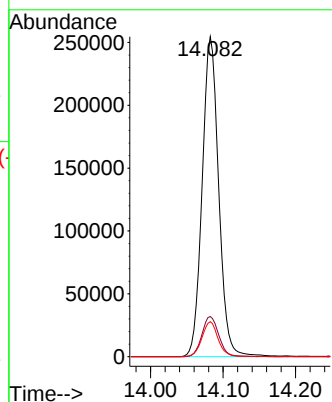
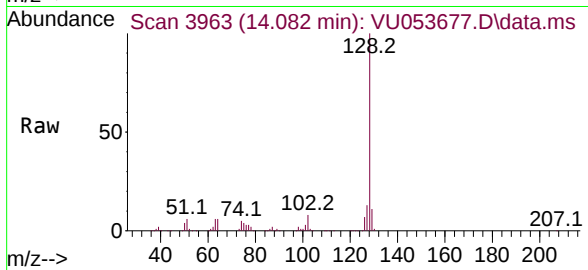
Tgt Ion:128 Resp: 402989

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 40.435 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU053677.D

Acq: 13 Apr 2023 09:55

Tgt Ion:180 Resp: 118570

Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.6

145 33.2 25.4 38.0

