

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053834.D
 Acq On : 24 Apr 2023 11:04
 Operator : JC/MD
 Sample : VSTD0.519
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5019

Quant Time: Apr 25 04:21:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:21:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	132259	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	123762	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	59630	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	3971	0.454	ug/L	0.00
7) Chloroethane-d5	1.912	69	3004	0.385	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	1792	0.490	ug/L	0.00
20) 2-Butanone-d5	4.652	46	4824	2.518	ug/L	0.02
24) Chloroform-d	5.063	84	6885	0.426	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	3231	0.396	ug/L	0.00
32) Benzene-d6	5.726	84	13188	0.392	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	3659	0.360	ug/L	0.00
41) Toluene-d8	7.896	98	10879	0.345	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.185	79	1540	0.394	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	4808	3.124	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	2994	0.361	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	4337	0.432	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	5332	0.555	ug/L	93
3) Chloromethane	1.520	50	5066	0.529	ug/L	100
5) Vinyl chloride	1.604	62	6047	0.555	ug/L	87
6) Bromomethane	1.858	94	3630	0.522	ug/L	96
8) Chloroethane	1.935	64	3941	0.623	ug/L	89
9) Trichlorofluoromethane	2.141	101	8802	0.544	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	5458	0.647	ug/L	92
12) 1,1-Dichloroethene	2.581	96	4000	0.524	ug/L	95
13) Acetone	2.652	43	6062	5.005	ug/L	97
14) Carbon disulfide	2.790	76	12116	0.545	ug/L	100
15) Methyl Acetate	2.961	43	1273	0.450	ug/L #	78
16) Methylene chloride	3.044	84	13672	1.349	ug/L	97
17) Methyl tert-butyl Ether	3.366	73	9296	0.512	ug/L #	61
18) trans-1,2-Dichloroethene	3.356	96	4405	0.558	ug/L	84
19) 1,1-Dichloroethane	3.867	63	8302	0.570	ug/L	96
21) 2-Butanone	4.829	43	306	0.163	ug/L	88
22) cis-1,2-Dichloroethene	4.671	96	4854	0.460	ug/L	82
23) Bromochloromethane	4.977	128	2055	0.533	ug/L	92
25) Chloroform	5.086	83	8662	0.572	ug/L	98
27) 1,2-Dichloroethane	5.796	62	4985	0.536	ug/L #	91
29) 1,1,1-Trichloroethane	5.308	97	7494	0.596	ug/L	93
30) Cyclohexane	5.385	56	6299	0.485	ug/L	97
31) Carbon tetrachloride	5.523	117	6126	0.563	ug/L	93
33) Benzene	5.774	78	18174	0.535	ug/L	100
34) Trichloroethene	6.539	95	4903	0.541	ug/L	95
35) Methylcyclohexane	6.761	83	7679	0.506	ug/L	97
37) 1,2-Dichloropropane	6.787	63	4514	0.511	ug/L #	87
38) Bromodichloromethane	7.102	83	5382	0.539	ug/L	87
39) cis-1,3-Dichloropropene	7.610	75	6184	0.477	ug/L	91
40) 4-Methyl-2-pentanone	7.793	43	18206	4.322	ug/L	98
42) Toluene	7.967	91	18615	0.504	ug/L	95
44) trans-1,3-Dichloropropene	8.211	75	4998	0.474	ug/L	93

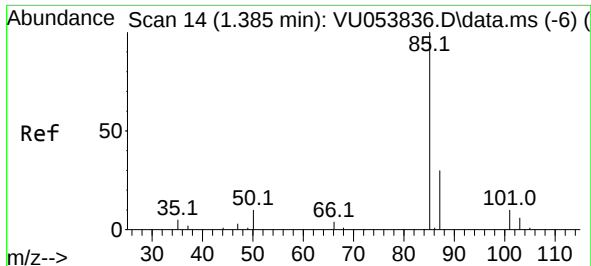
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053834.D
 Acq On : 24 Apr 2023 11:04
 Operator : JC/MD
 Sample : VSTD0.519
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5019

Quant Time: Apr 25 04:21:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:21:19 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	3564	0.563	ug/L	93
47) Tetrachloroethene	8.549	164	4044	0.596	ug/L	77
48) 2-Hexanone	8.684	43	12149	3.925	ug/L	95
49) Dibromochloromethane	8.806	129	3380	0.533	ug/L	76
50) 1,2-Dibromoethane	8.922	107	3282	0.542	ug/L #	93
51) Chlorobenzene	9.446	112	13054	0.560	ug/L	96
52) Ethylbenzene	9.568	91	19110	0.477	ug/L	97
53) m,p-Xylene	9.693	106	7139	0.467	ug/L	84
54) o-Xylene	10.099	106	6827	0.470	ug/L	86
55) Styrene	10.115	104	10773	0.450	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.777	83	3529	0.452	ug/L	99
59) Bromoform	10.288	173	1742	0.555	ug/L #	94
60) Isopropylbenzene	10.481	105	19274	0.533	ug/L	98
61) 1,2,3-Trichloropropane	10.822	75	2638	0.546	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	14374	0.493	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	12902	0.433	ug/L	94
64) 1,3-Dichlorobenzene	11.745	146	9153	0.564	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	9472	0.583	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	8821	0.579	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.992	75	166	0.175	ug/L #	56
69) 1,3,5-Trichlorobenzene	13.221	180	6438	0.566	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	4804	0.533	ug/L	94
71) Naphthalene	14.089	128	7010	0.422	ug/L #	78
72) 1,2,3-Trichlorobenzene	14.327	180	4115	0.522	ug/L	94

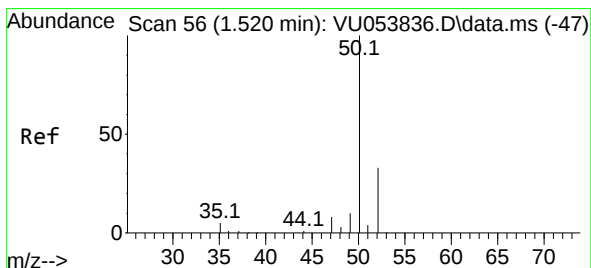
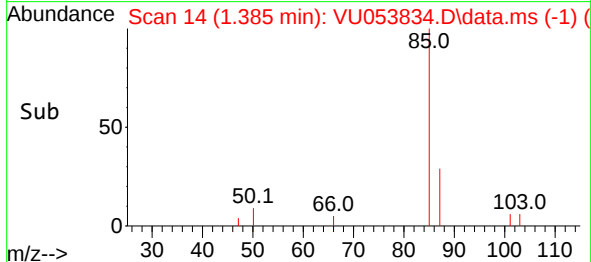
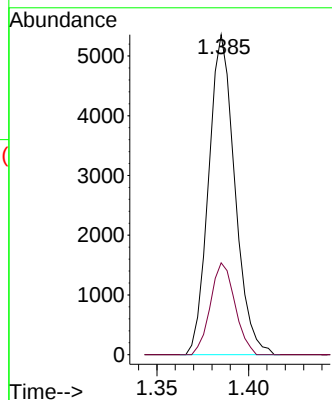
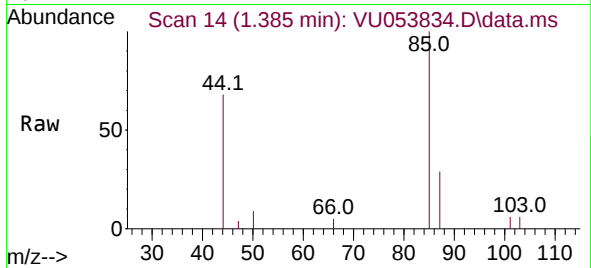
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.555 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

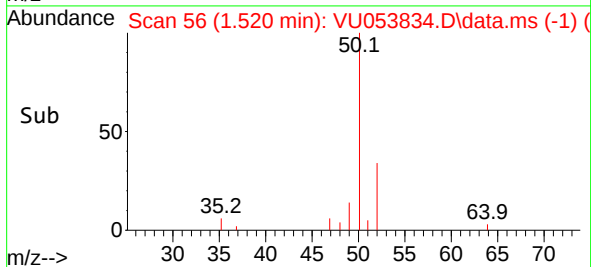
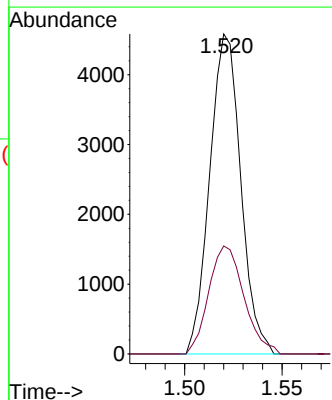
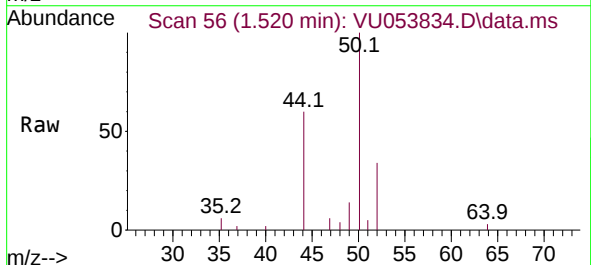
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

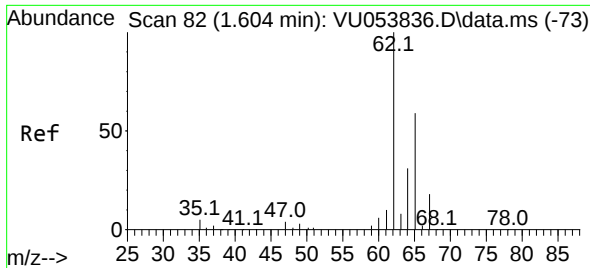
Tgt Ion: 85 Resp: 5332
Ion Ratio Lower Upper
85 100
87 26.8 24.5 36.7



#3
Chloromethane
Concen: 0.529 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion: 50 Resp: 5066
Ion Ratio Lower Upper
50 100
52 33.7 23.4 43.6

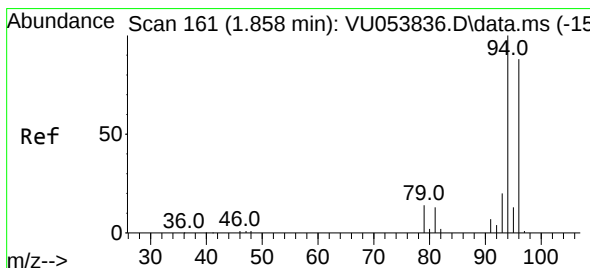
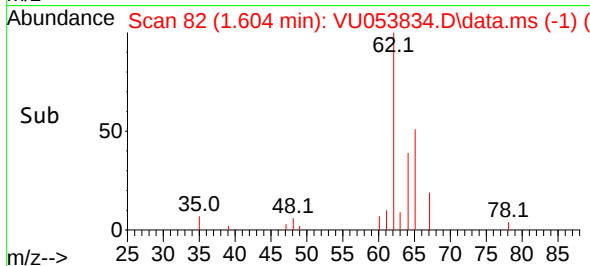
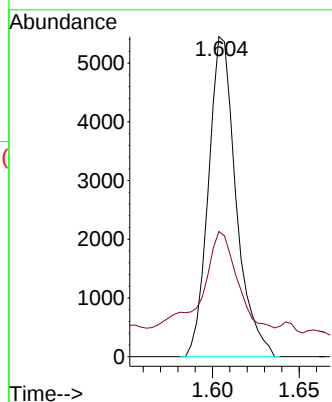
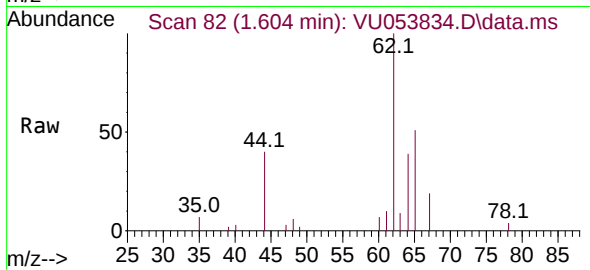




#5
 Vinyl chloride
 Concen: 0.555 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053834.D
 Acq: 24 Apr 2023 11:04

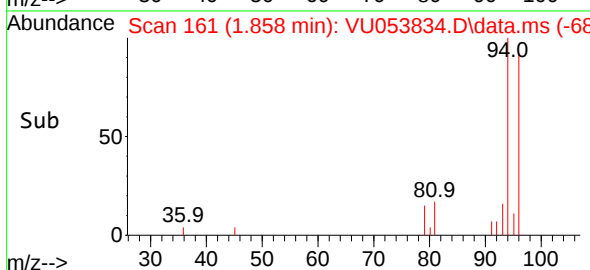
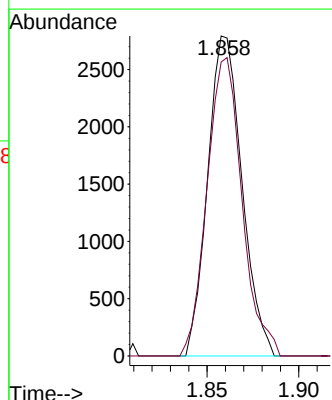
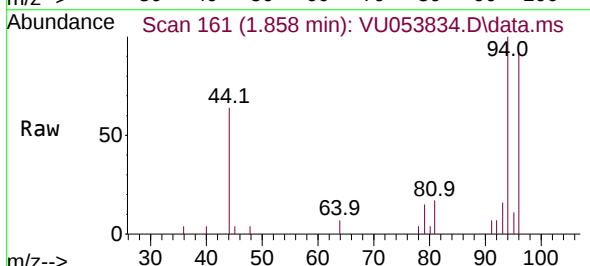
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5019

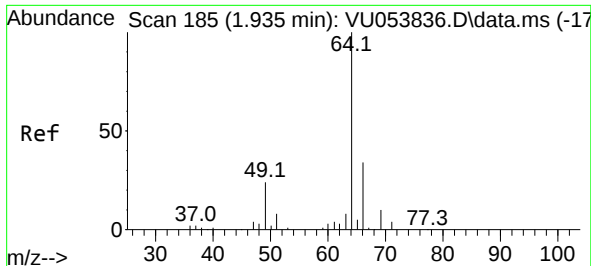
Tgt Ion: 62 Resp: 6047
 Ion Ratio Lower Upper
 62 100
 64 39.1 22.4 41.6



#6
 Bromomethane
 Concen: 0.522 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053834.D
 Acq: 24 Apr 2023 11:04

Tgt Ion: 94 Resp: 3630
 Ion Ratio Lower Upper
 94 100
 96 91.8 61.9 114.9

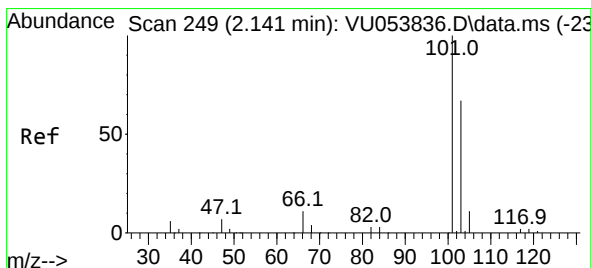
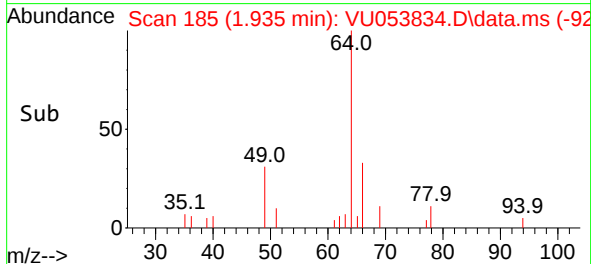
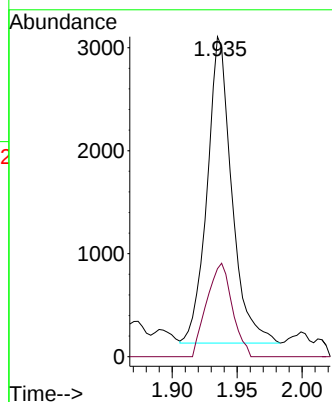
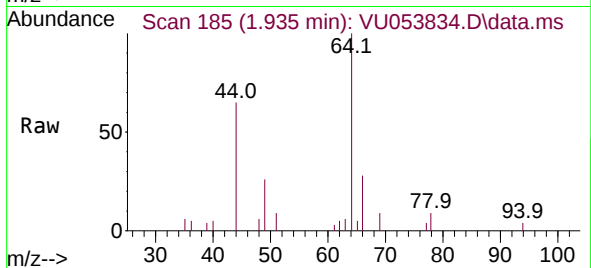




#8
Chloroethane
Concen: 0.623 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

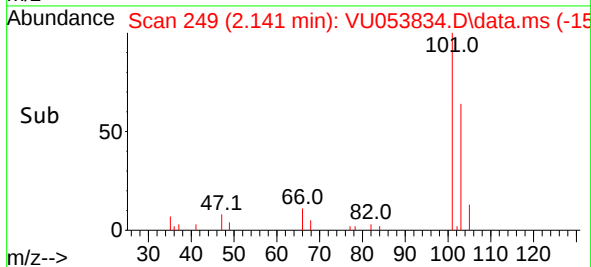
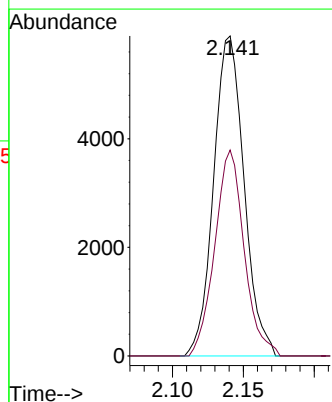
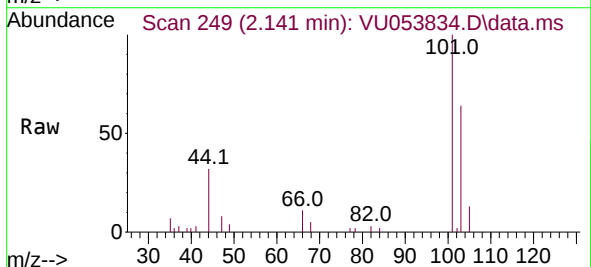
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

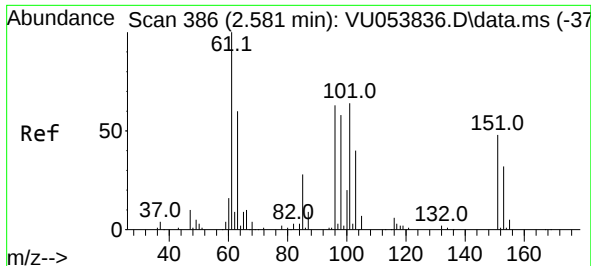
Tgt Ion: 64 Resp: 3941
Ion Ratio Lower Upper
64 100
66 27.5 23.8 44.2



#9
Trichlorofluoromethane
Concen: 0.544 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion:101 Resp: 8802
Ion Ratio Lower Upper
101 100
103 62.2 52.6 78.8

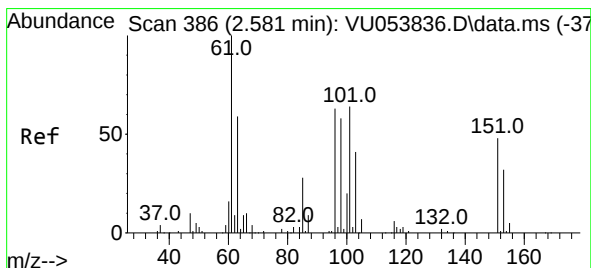
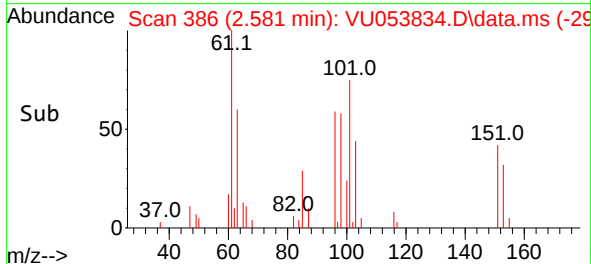
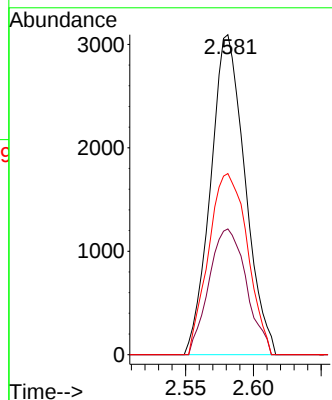
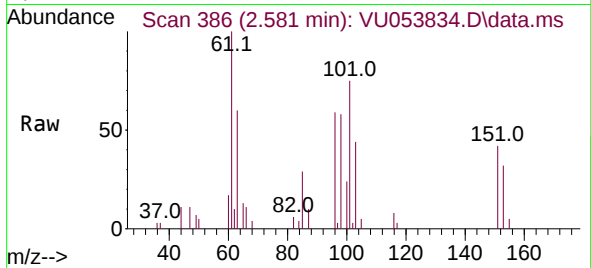




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.647 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053834.D
 Acq: 24 Apr 2023 11:04

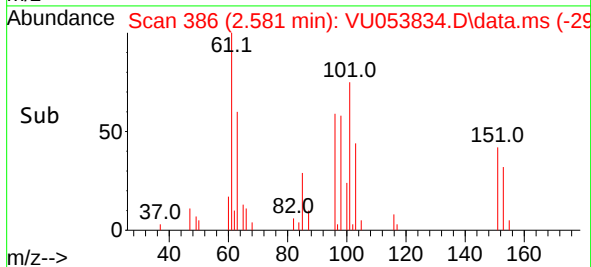
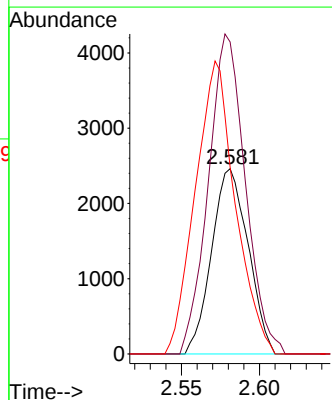
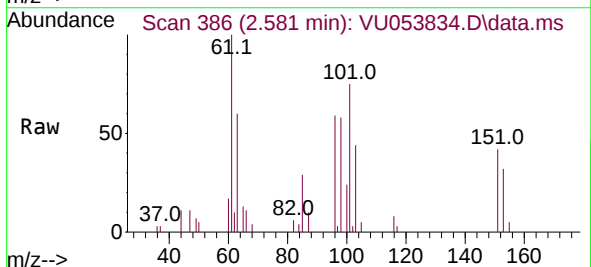
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5019

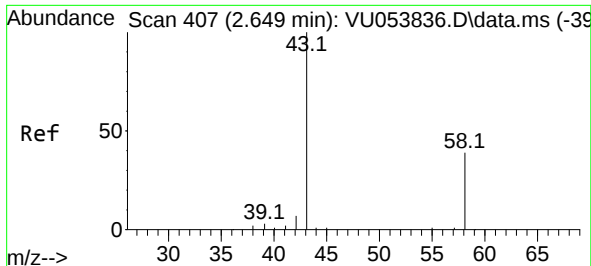
Tgt Ion:101 Resp: 5458
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.7 52.1
 151 63.8 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 0.524 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053834.D
 Acq: 24 Apr 2023 11:04

Tgt Ion: 96 Resp: 4000
 Ion Ratio Lower Upper
 96 100
 61 168.4 111.5 207.1
 63 100.8 68.7 127.7





#13

Acetone

Concen: 5.005 ug/L

RT: 2.652 min Scan# 407

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

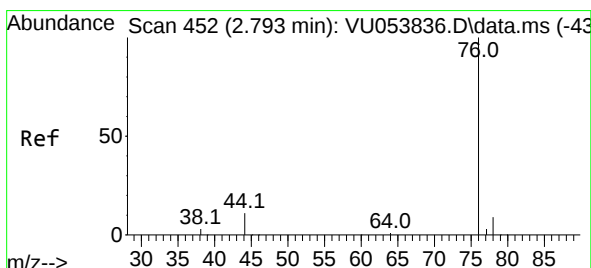
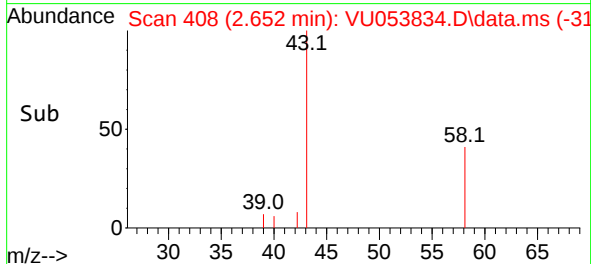
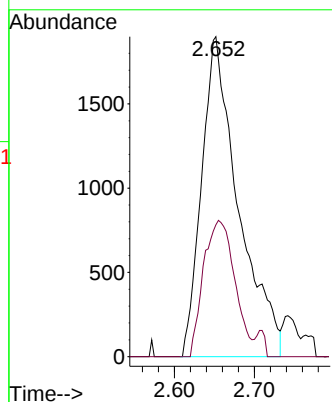
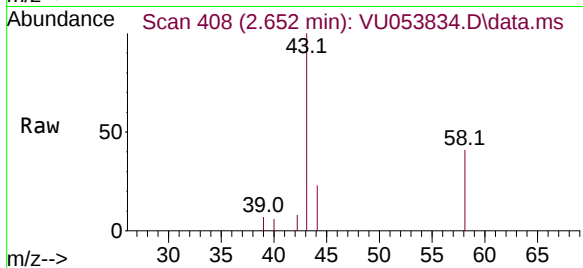
VSTD0.5019

Tgt Ion: 43 Resp: 6062

Ion Ratio Lower Upper

43 100

58 36.1 0.0 76.2



#14

Carbon disulfide

Concen: 0.545 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053834.D

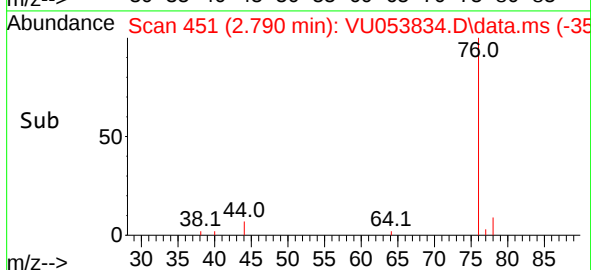
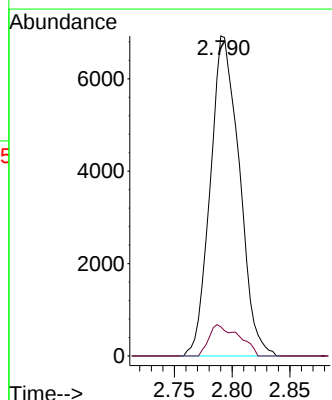
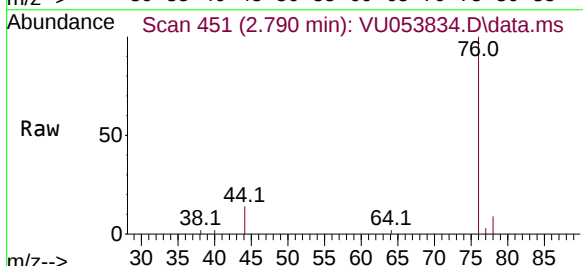
Acq: 24 Apr 2023 11:04

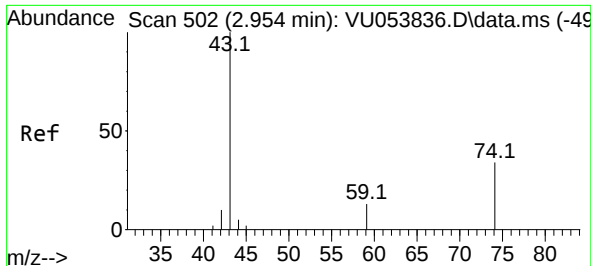
Tgt Ion: 76 Resp: 12116

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

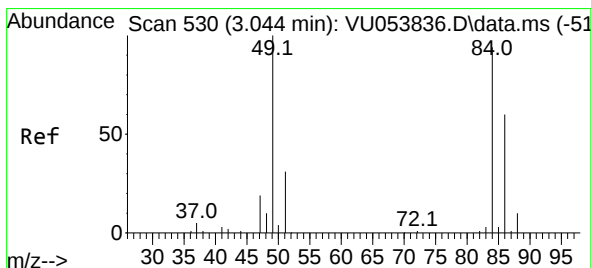
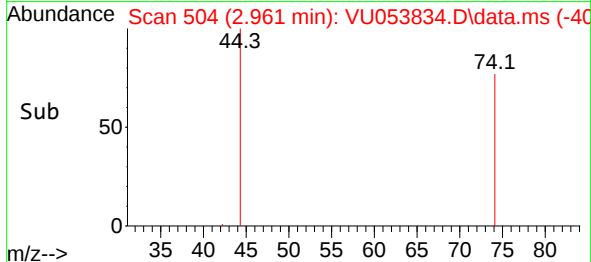
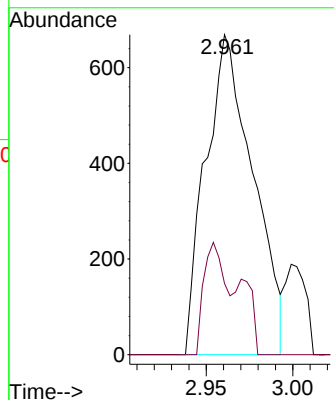
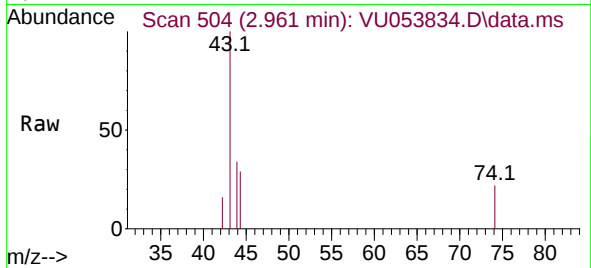




#15
Methyl Acetate
Concen: 0.450 ug/L
RT: 2.961 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

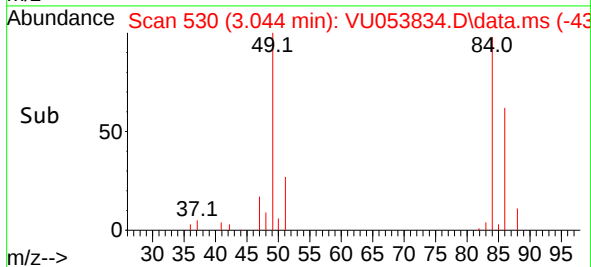
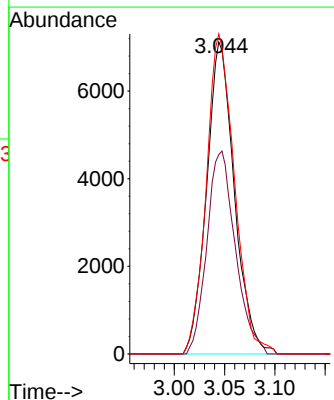
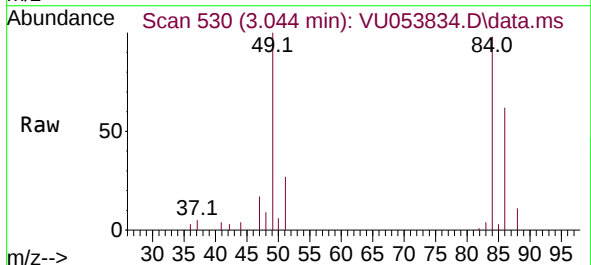
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

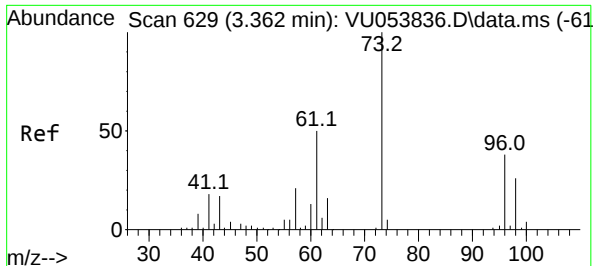
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
74 16.0 22.0 33.0#



#16
Methylene chloride
Concen: 1.349 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion: 84 Resp: 13672
Ion Ratio Lower Upper
84 100
86 63.9 45.0 83.6
49 102.6 74.8 138.8





#17

Methyl tert-butyl Ether

Concen: 0.512 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5019

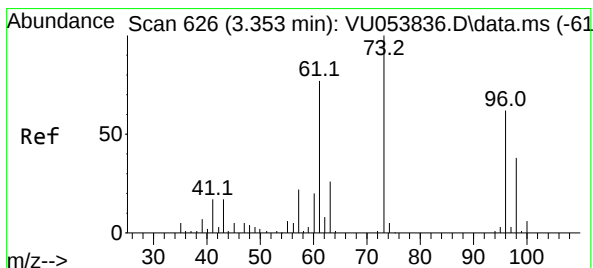
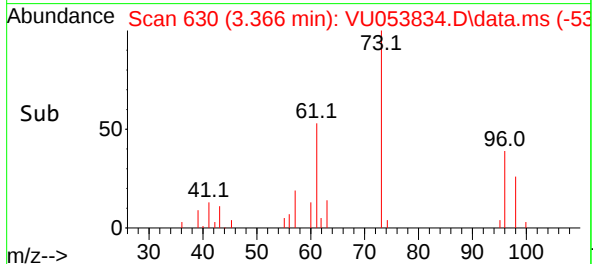
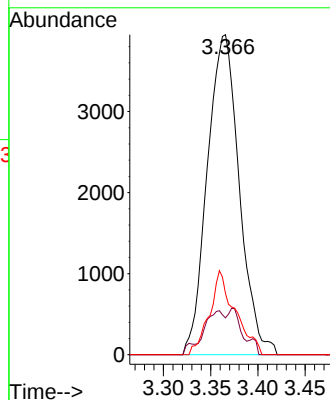
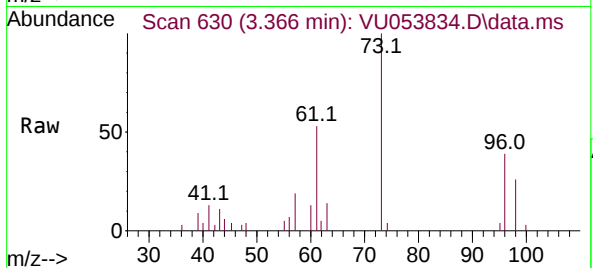
Tgt Ion: 73 Resp: 9296

Ion Ratio Lower Upper

73 100

43 3.7 13.4 20.2#

57 0.0 17.2 25.8#



#18

trans-1,2-Dichloroethene

Concen: 0.558 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

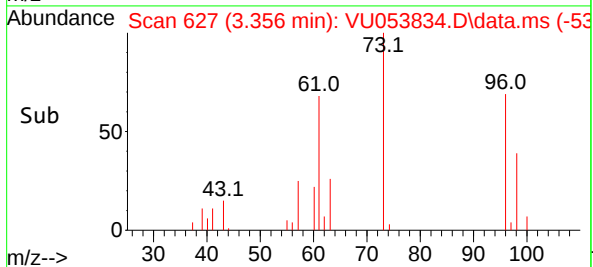
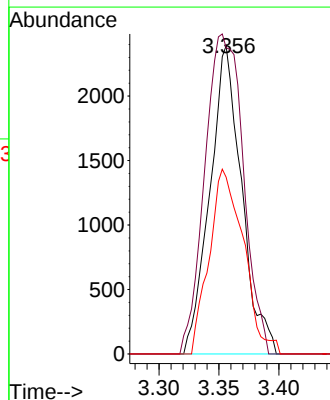
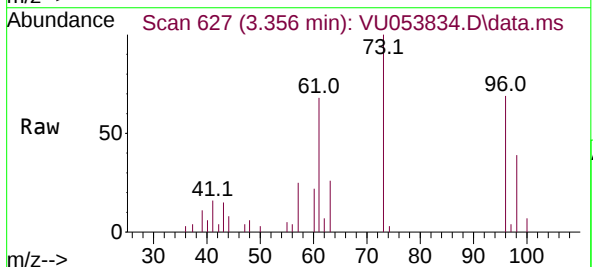
Tgt Ion: 96 Resp: 4405

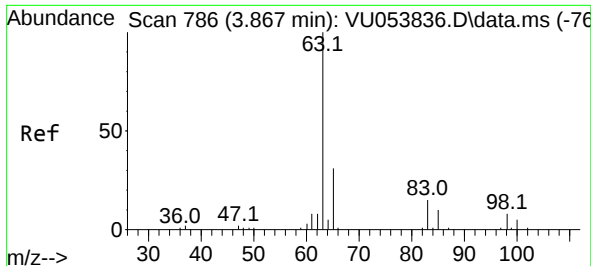
Ion Ratio Lower Upper

96 100

61 99.4 86.2 160.0

98 57.4 42.8 79.4

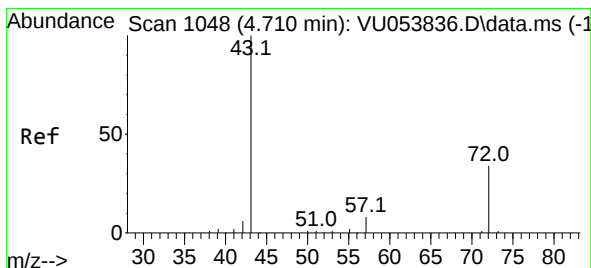
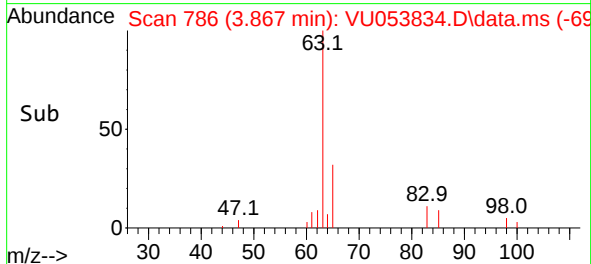
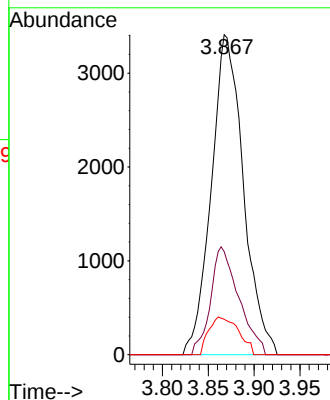
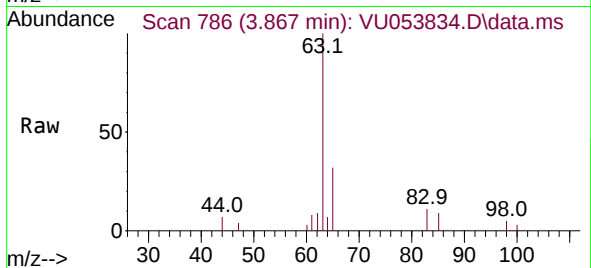




#19
1,1-Dichloroethane
Concen: 0.570 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

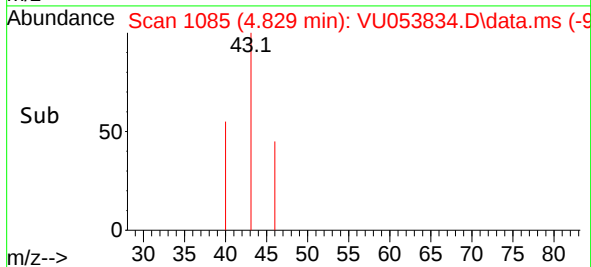
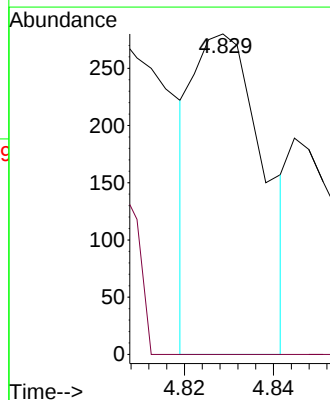
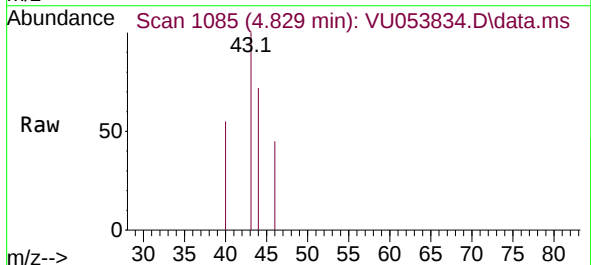
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

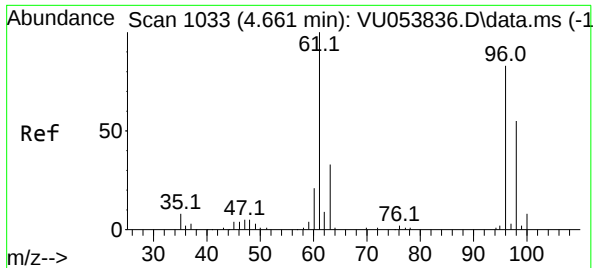
Tgt Ion:	63	Resp:	8302
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.0	40.8
83	11.1	10.3	19.1



#21
2-Butanone
Concen: 0.163 ug/L
RT: 4.829 min Scan# 1085
Delta R.T. 0.119 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion:	43	Resp:	306
Ion	Ratio	Lower	Upper
43	100		
72	24.8	15.7	47.0

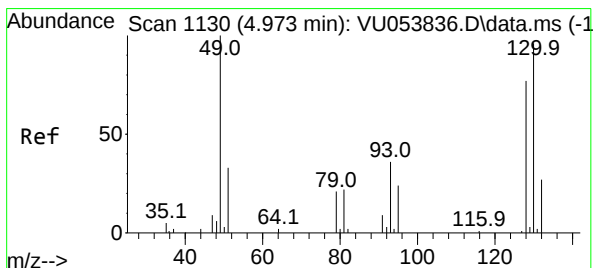
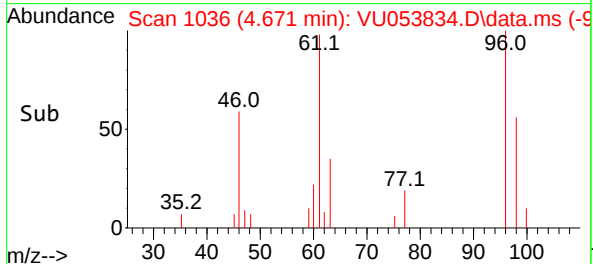
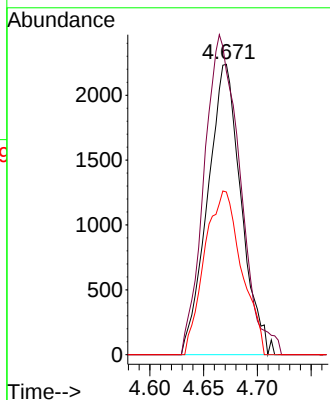
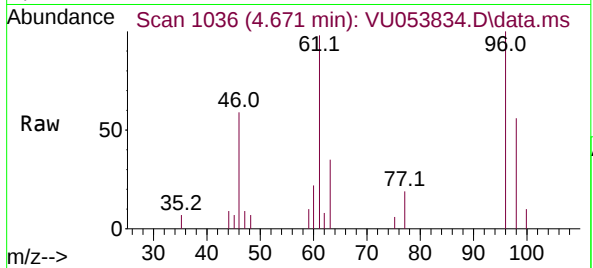




#22
 cis-1,2-Dichloroethene
 Concen: 0.460 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.010 min
 Lab File: VU053834.D
 Acq: 24 Apr 2023 11:04

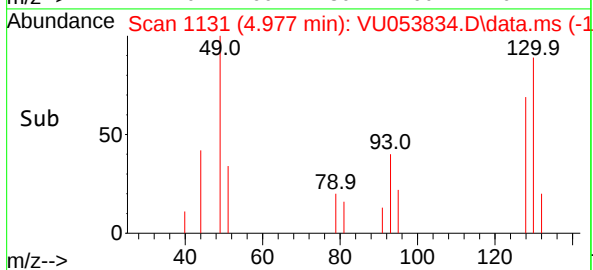
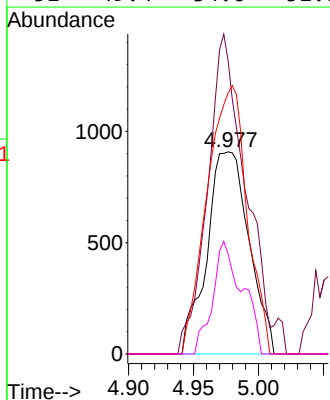
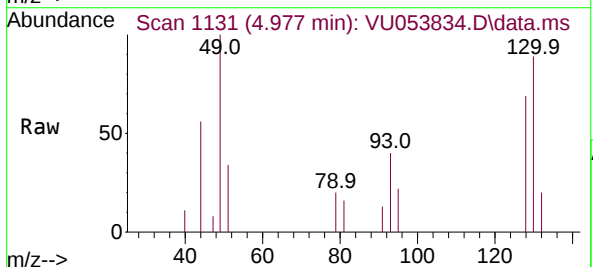
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5019

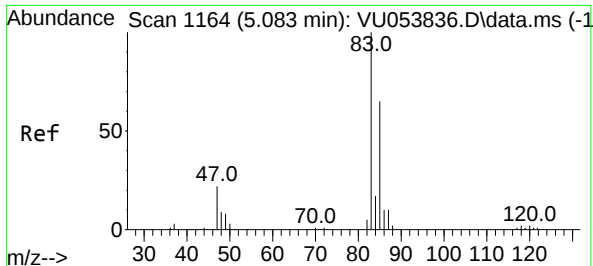
Tgt Ion: 96	Resp:	4854	
Ion	Ratio	Lower	Upper
96	100		
61	97.6	84.3	156.5
98	56.1	46.4	86.2



#23
 Bromochloromethane
 Concen: 0.533 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: VU053834.D
 Acq: 24 Apr 2023 11:04

Tgt Ion:128	Resp:	2055	
Ion	Ratio	Lower	Upper
128	100		
49	145.0	91.3	169.5
130	129.2	87.6	162.8
51	49.4	34.6	51.8





#25

Chloroform

Concen: 0.572 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

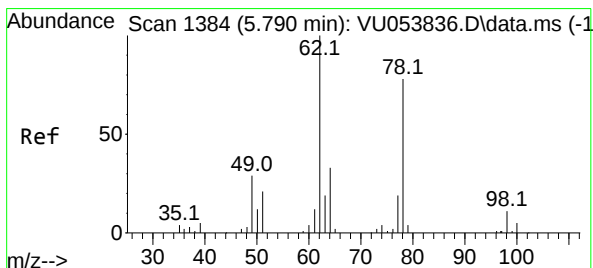
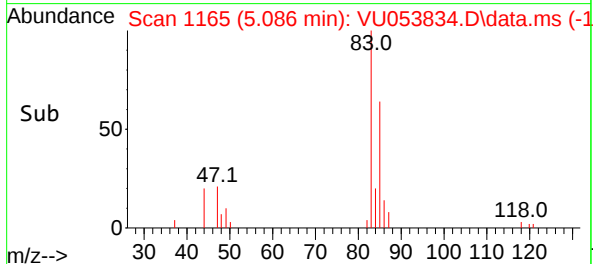
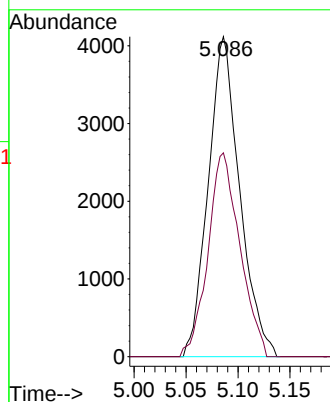
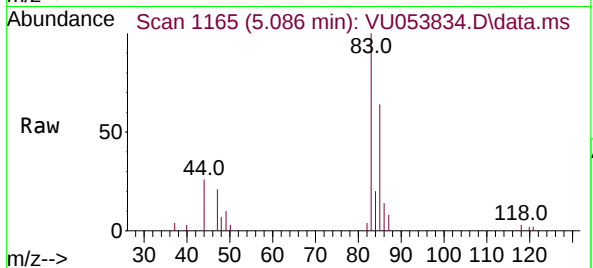
VSTD0.5019

Tgt Ion: 83 Resp: 8662

Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.536 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VU053834.D

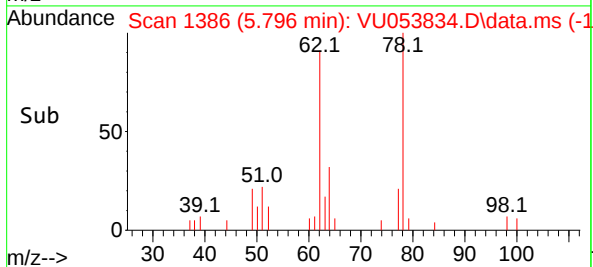
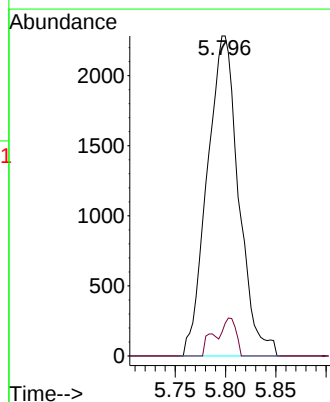
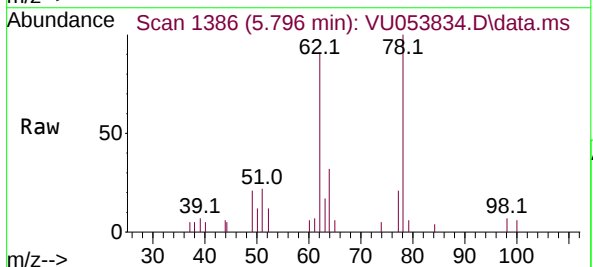
Acq: 24 Apr 2023 11:04

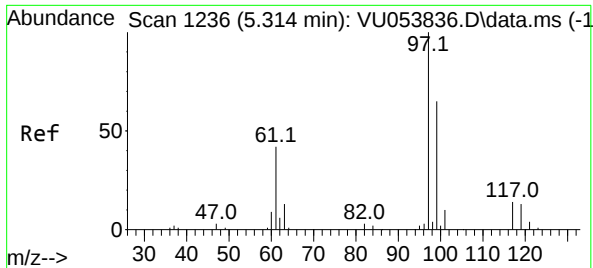
Tgt Ion: 62 Resp: 4985

Ion Ratio Lower Upper

62 100

98 7.4 8.7 13.1#





#29

1,1,1-Trichloroethane

Concen: 0.596 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.006 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5019

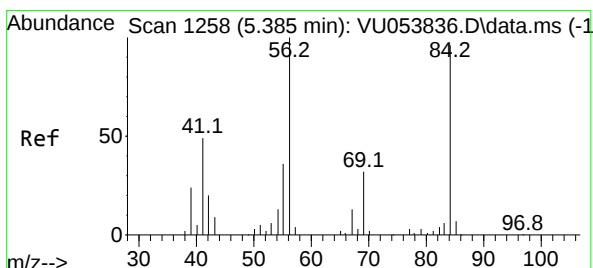
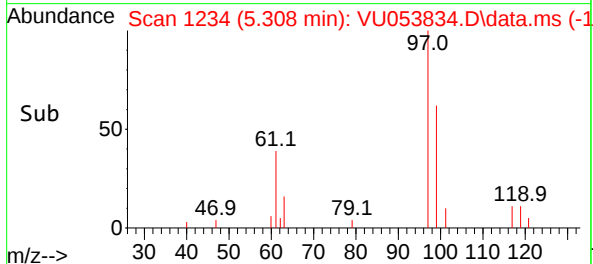
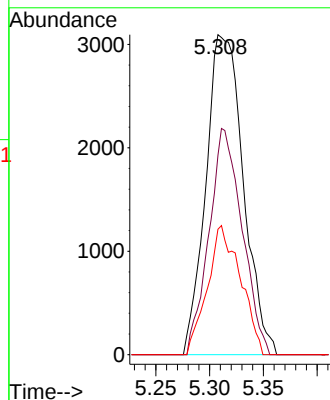
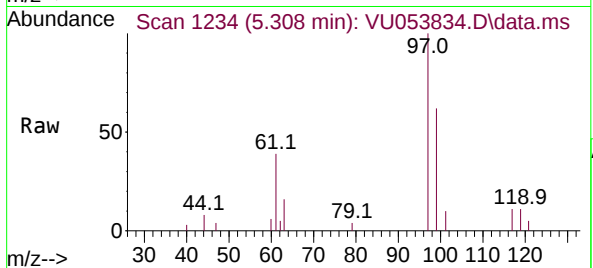
Tgt Ion: 97 Resp: 7494

Ion Ratio Lower Upper

97 100

99 62.5 52.9 79.3

61 35.7 33.8 50.8



#30

Cyclohexane

Concen: 0.485 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

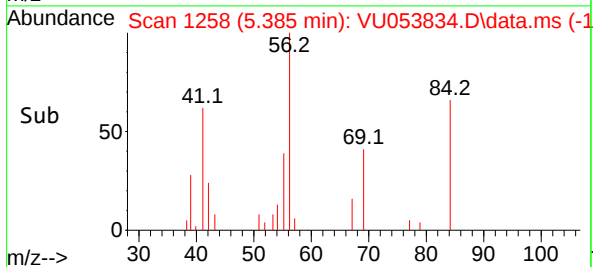
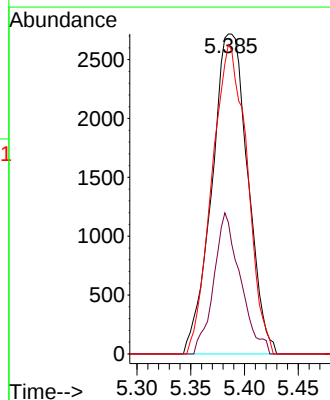
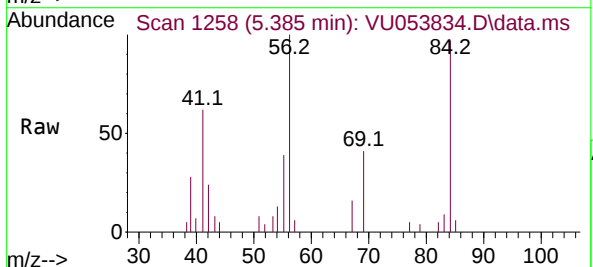
Tgt Ion: 56 Resp: 6299

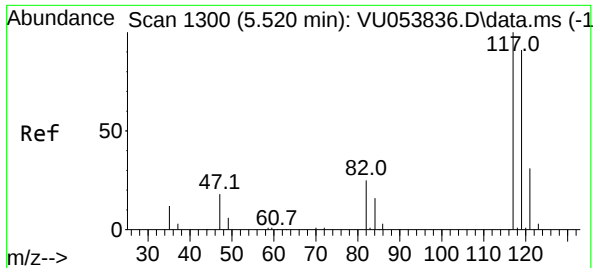
Ion Ratio Lower Upper

56 100

69 32.7 27.0 40.4

84 94.5 78.0 117.0

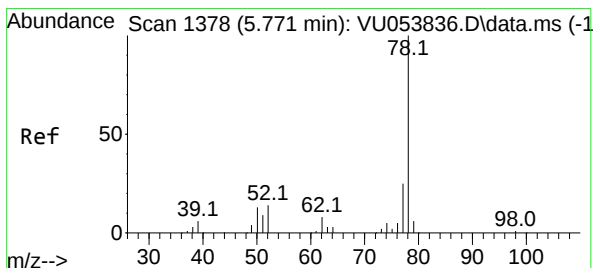
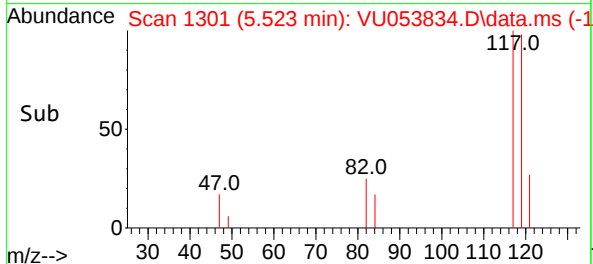
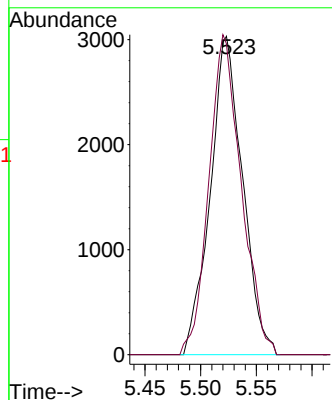
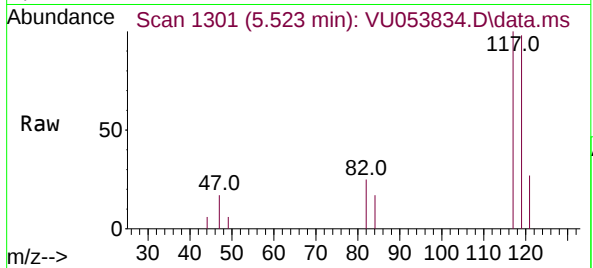




#31
Carbon tetrachloride
Concen: 0.563 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

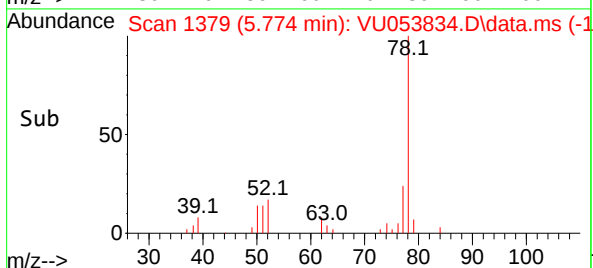
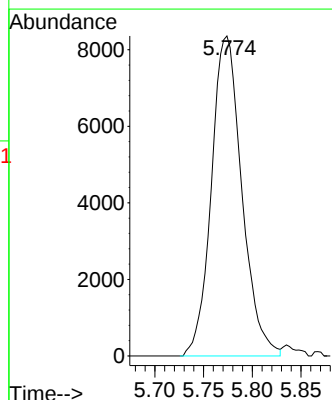
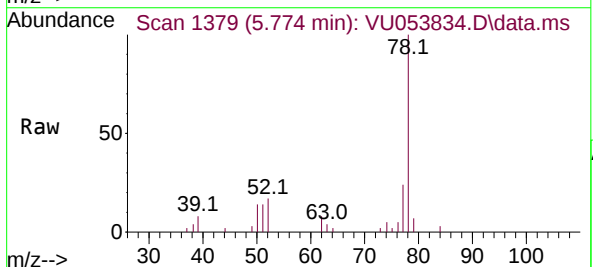
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

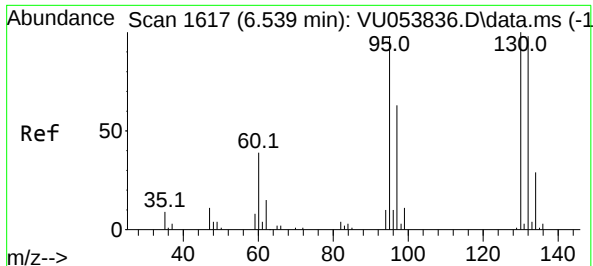
Tgt Ion:117 Resp: 6126
Ion Ratio Lower Upper
117 100
119 100.6 75.0 112.6



#33
Benzene
Concen: 0.535 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion: 78 Resp: 18174





#34

Trichloroethene

Concen: 0.541 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5019

Tgt Ion: 95 Resp: 4903

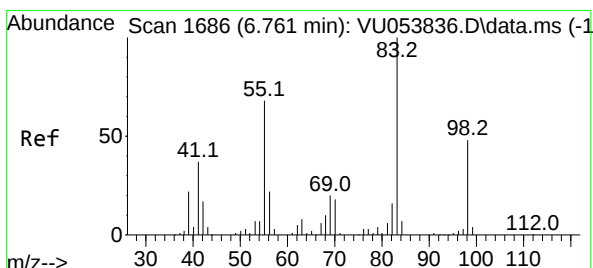
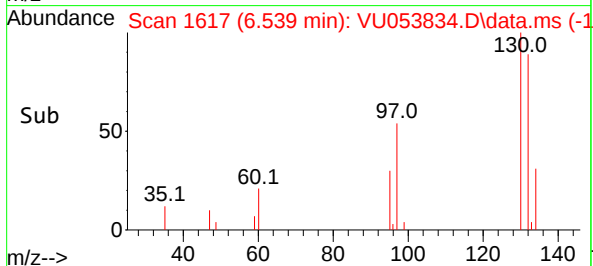
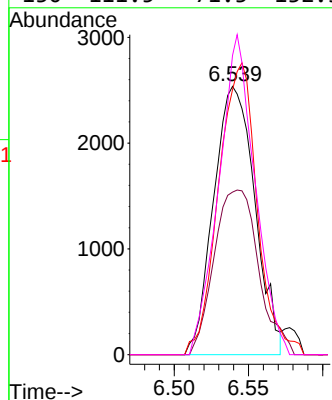
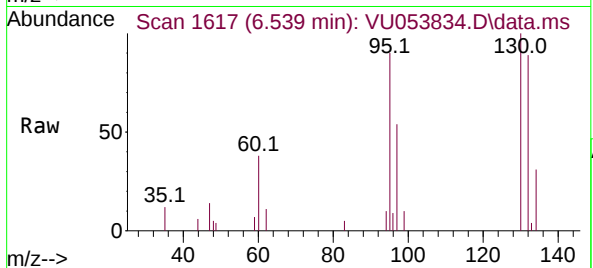
Ion Ratio Lower Upper

95 100

97 60.5 45.1 83.9

132 98.7 69.9 129.9

130 111.5 71.3 132.3



#35

Methylcyclohexane

Concen: 0.506 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

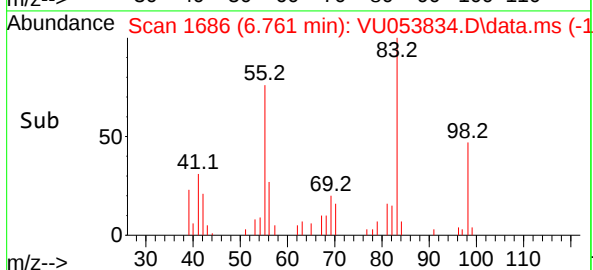
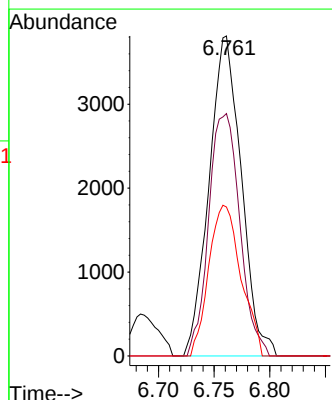
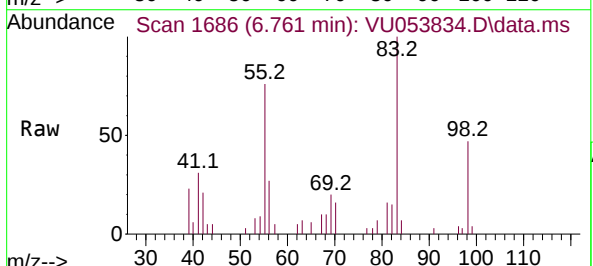
Tgt Ion: 83 Resp: 7679

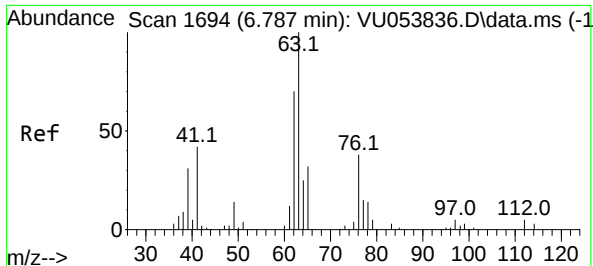
Ion Ratio Lower Upper

83 100

55 73.3 55.4 83.2

98 47.0 37.3 55.9

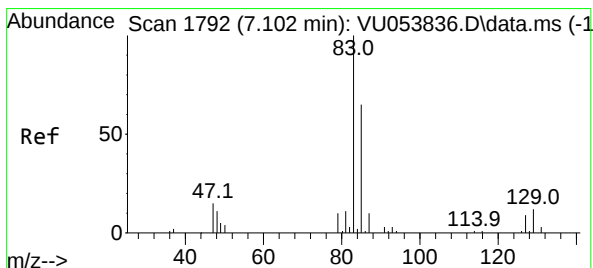
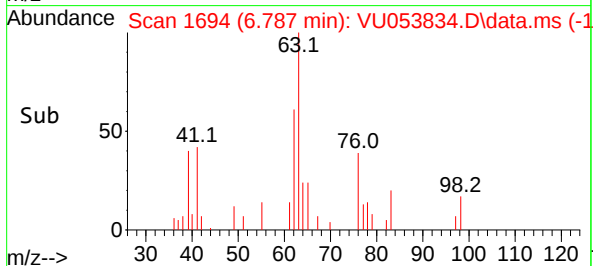
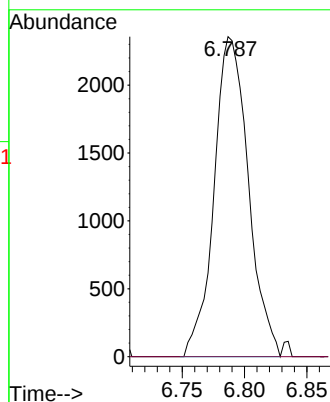
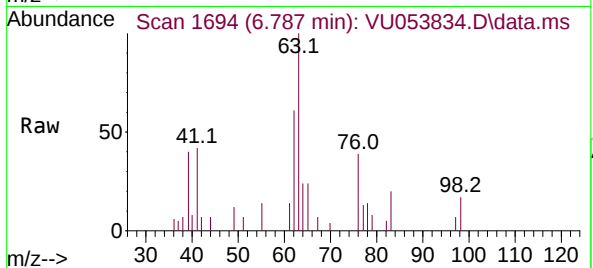




#37
1,2-Dichloropropane
Concen: 0.511 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

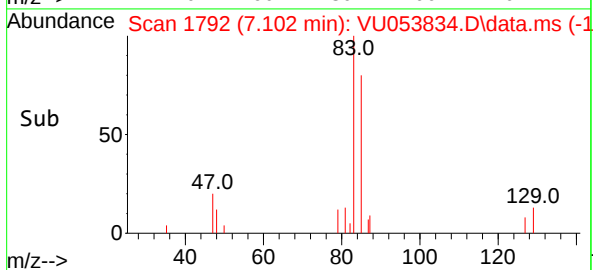
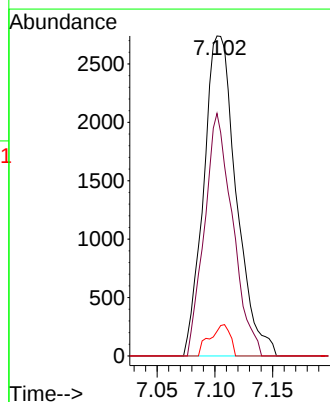
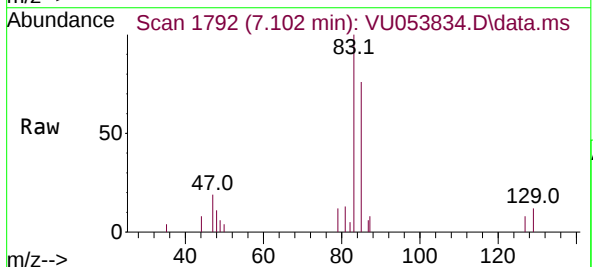
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

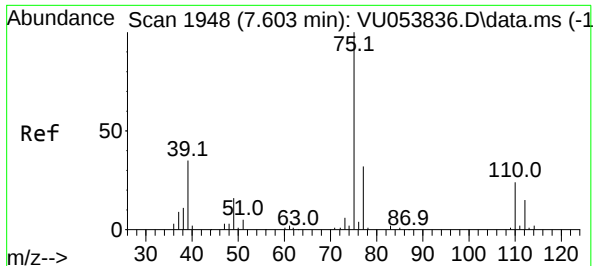
Tgt Ion: 63 Resp: 4514
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#38
Bromodichloromethane
Concen: 0.539 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion: 83 Resp: 5382
Ion Ratio Lower Upper
83 100
85 75.8 45.2 84.0
127 7.7 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 0.477 ug/L

RT: 7.610 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

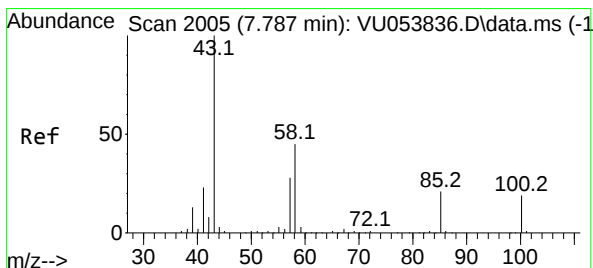
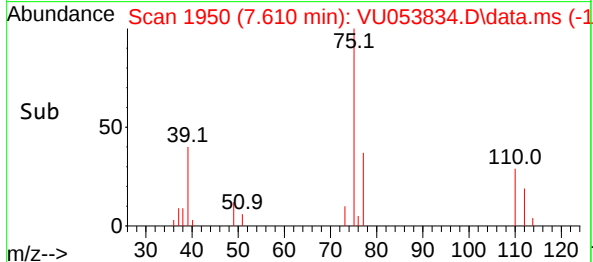
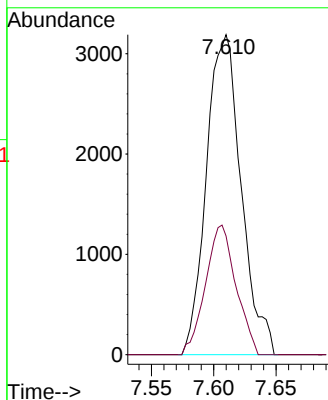
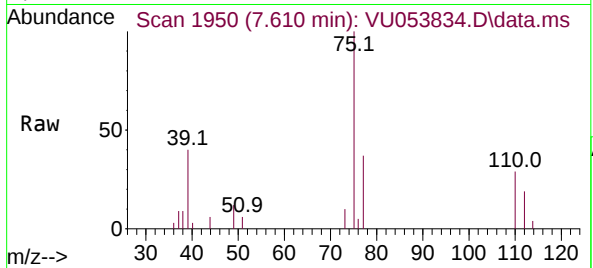
VSTD0.5019

Tgt Ion: 75 Resp: 6184

Ion Ratio Lower Upper

75 100

77 37.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 4.322 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.006 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

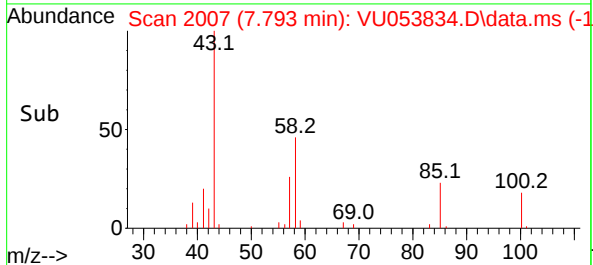
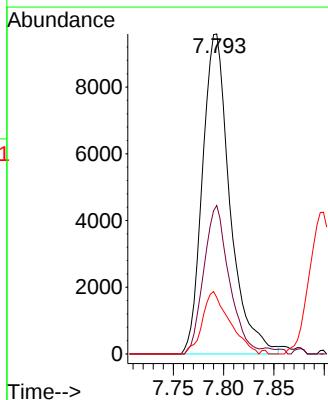
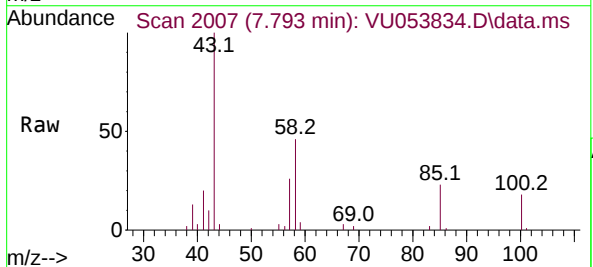
Tgt Ion: 43 Resp: 18206

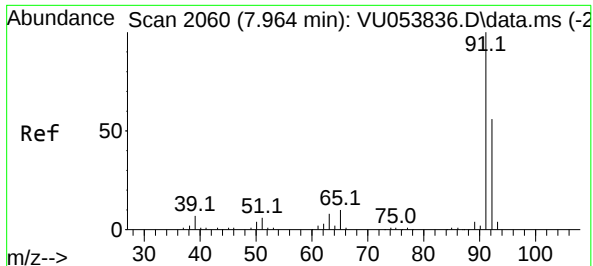
Ion Ratio Lower Upper

43 100

58 43.1 36.0 54.0

100 19.3 15.1 22.7





#42

Toluene

Concen: 0.504 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

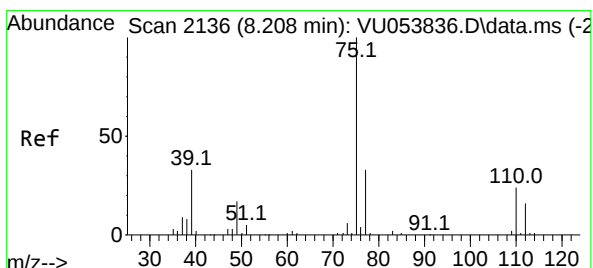
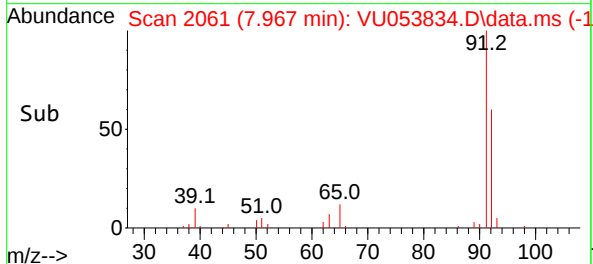
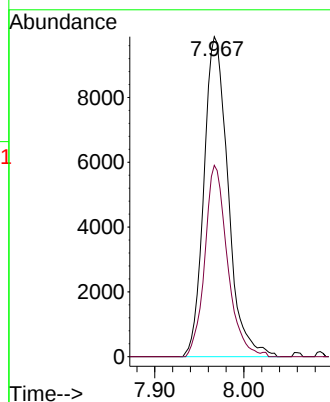
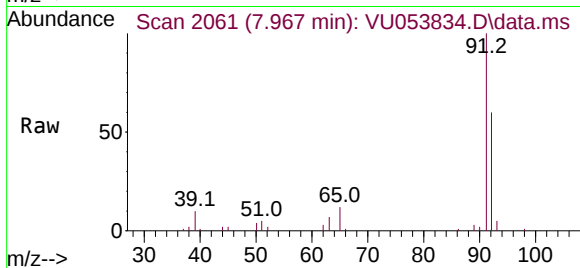
VSTD0.5019

Tgt Ion: 91 Resp: 18615

Ion Ratio Lower Upper

91 100

92 59.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 0.474 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU053834.D

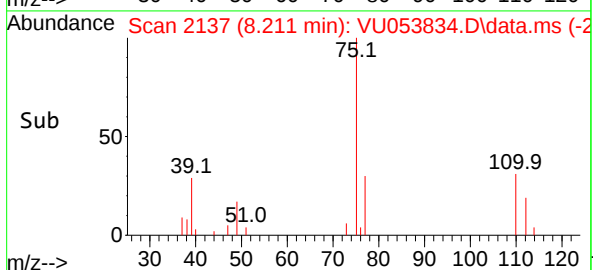
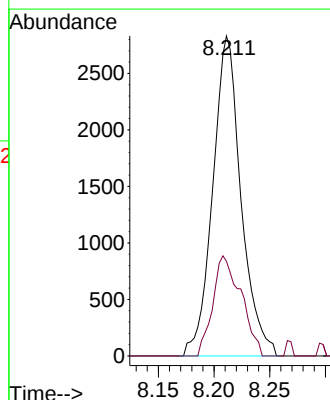
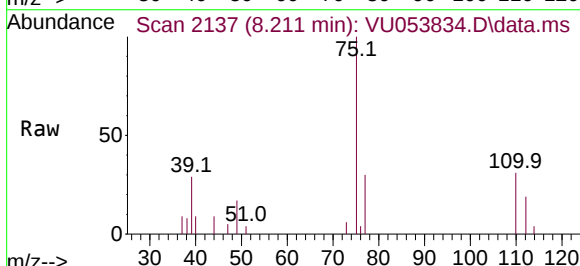
Acq: 24 Apr 2023 11:04

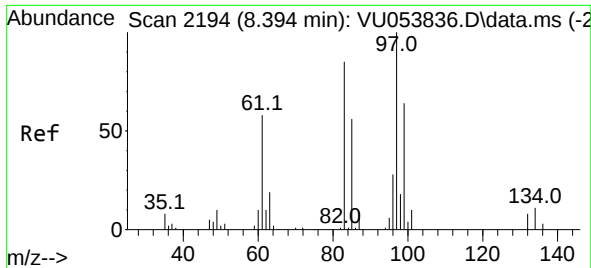
Tgt Ion: 75 Resp: 4998

Ion Ratio Lower Upper

75 100

77 29.6 23.3 43.3



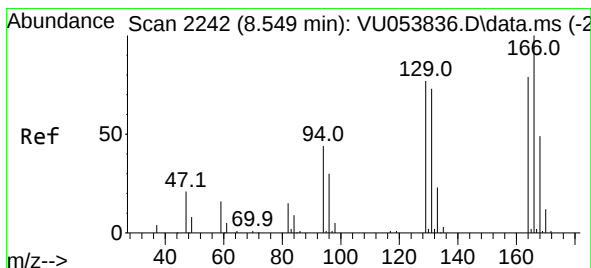
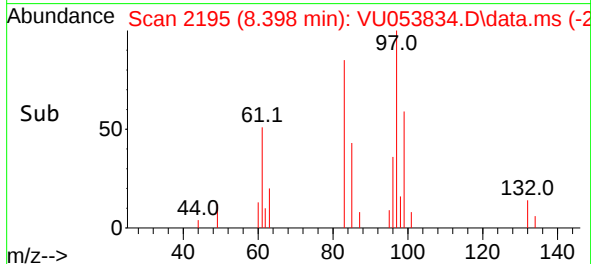
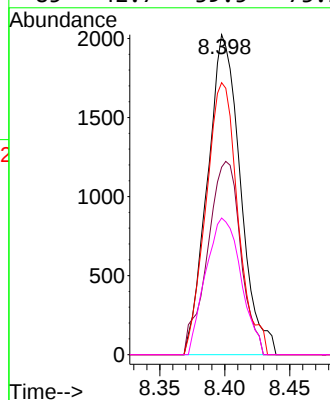
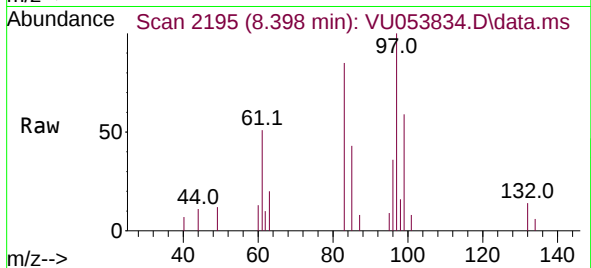


#45
1,1,2-Trichloroethane
Concen: 0.563 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

Tgt Ion: 97 Resp: 3564

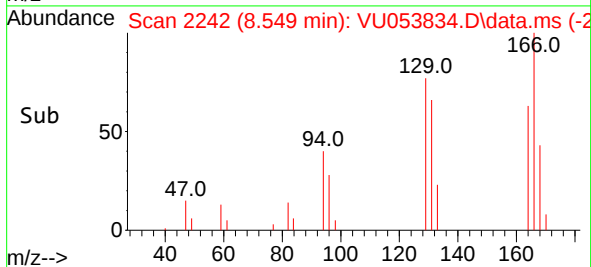
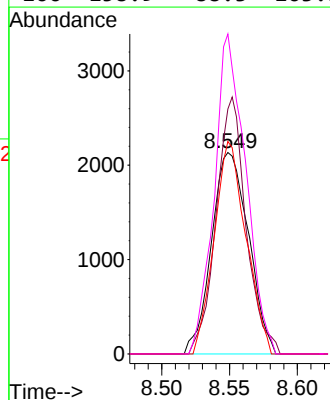
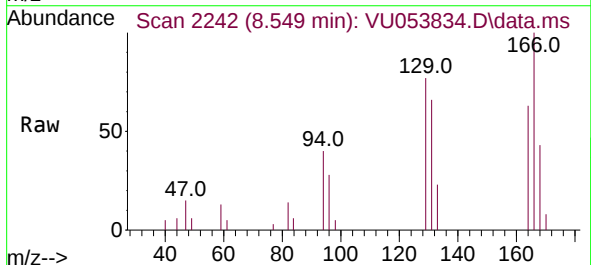
Ion	Ratio	Lower	Upper
97	100		
99	58.6	44.7	83.1
83	85.0	59.8	111.1
85	42.7	39.5	73.3

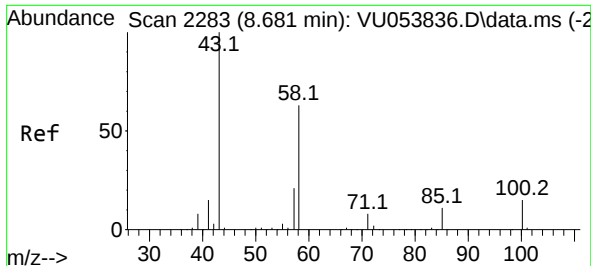


#47
Tetrachloroethene
Concen: 0.596 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion: 164 Resp: 4044

Ion	Ratio	Lower	Upper
164	100		
129	121.6	68.3	126.8
131	105.5	64.4	119.6
166	158.9	88.3	163.9

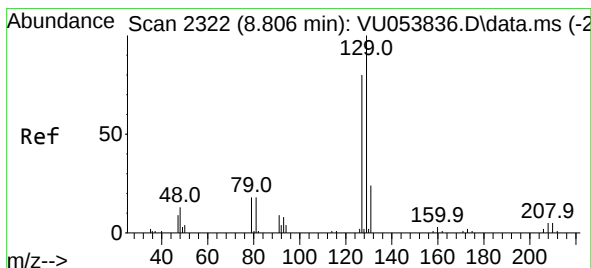
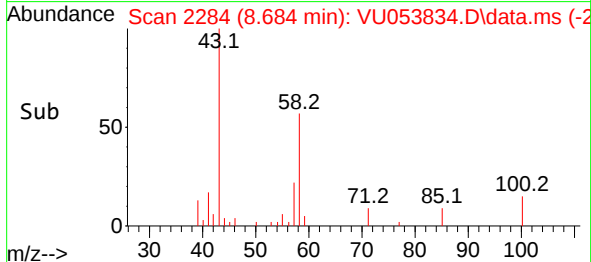
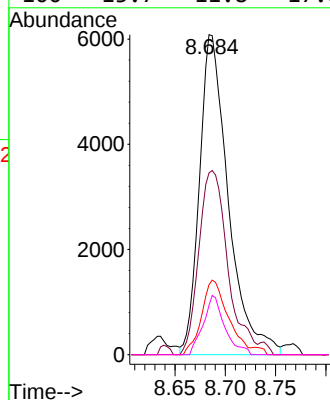
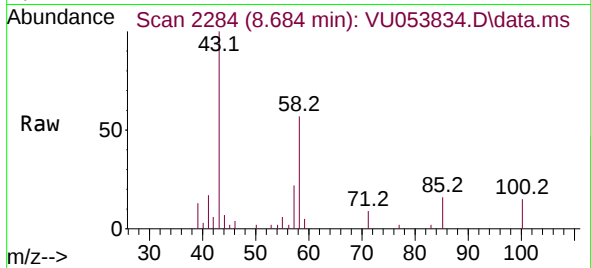




#48
2-Hexanone
Concen: 3.925 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

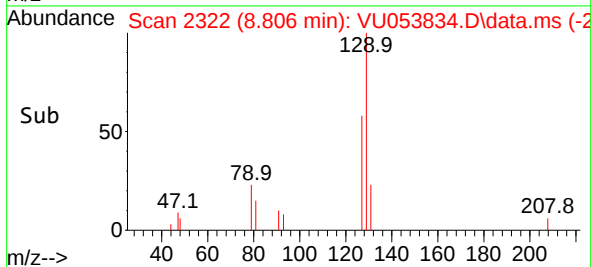
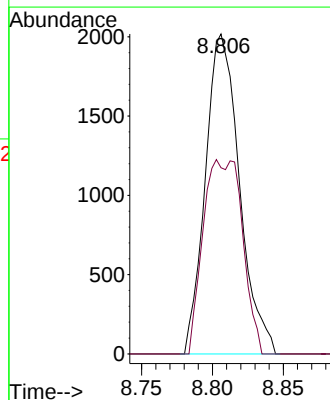
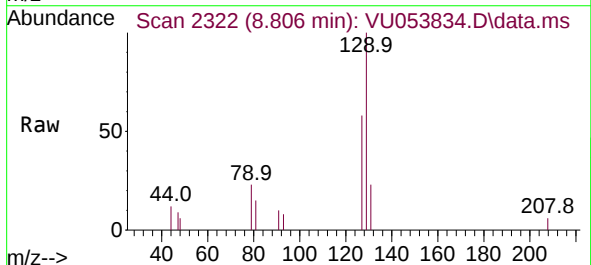
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

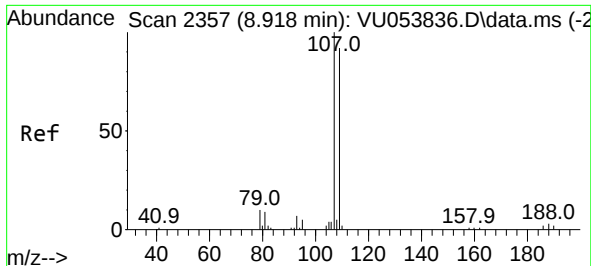
Tgt Ion:	43	Resp:	12149
Ion	Ratio	Lower	Upper
43	100		
58	57.4	49.8	74.6
57	21.4	16.9	25.3
100	13.7	11.8	17.8



#49
Dibromochloromethane
Concen: 0.533 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion:	129	Resp:	3380
Ion	Ratio	Lower	Upper
129	100		
127	58.2	55.7	103.5

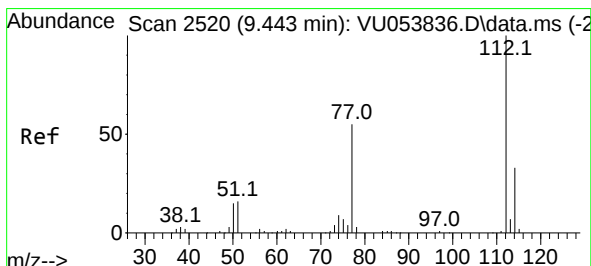
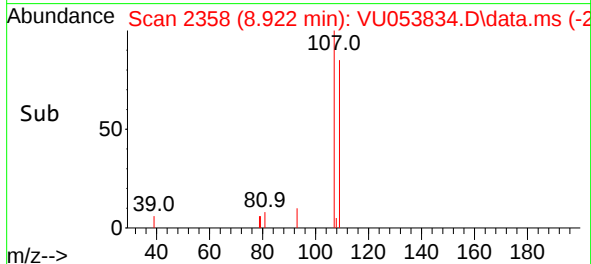
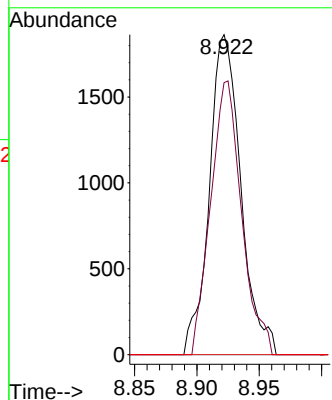
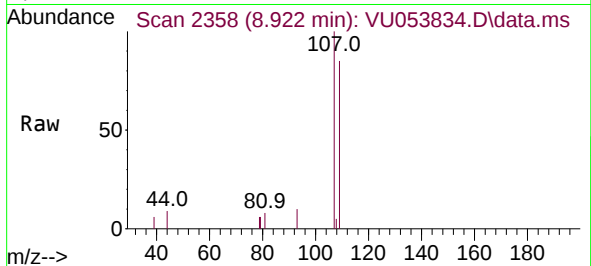




#50
1,2-Dibromoethane
Concen: 0.542 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

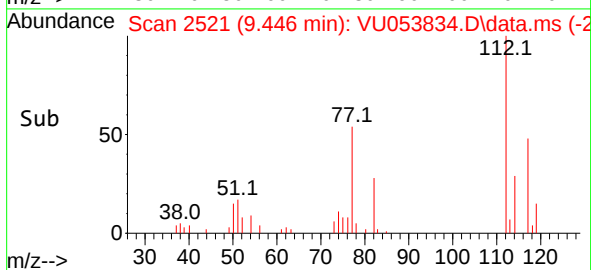
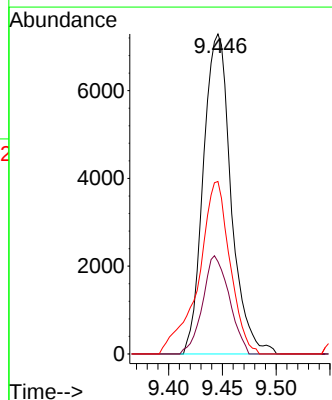
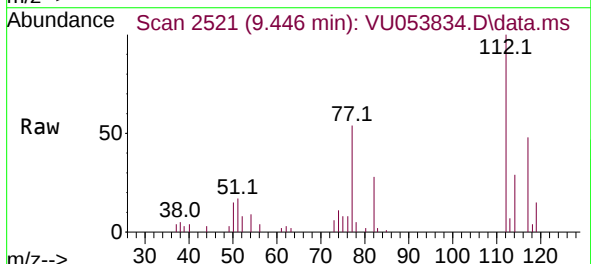
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

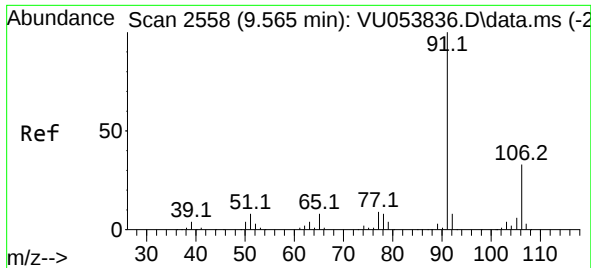
Tgt Ion:107 Resp: 3282
Ion Ratio Lower Upper
107 100
109 85.0 64.3 119.5
188 0.0 2.1 3.1#



#51
Chlorobenzene
Concen: 0.560 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion:112 Resp: 13054
Ion Ratio Lower Upper
112 100
114 28.8 23.0 42.6
77 53.9 44.4 66.6

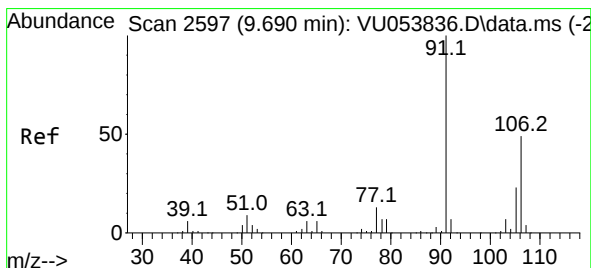
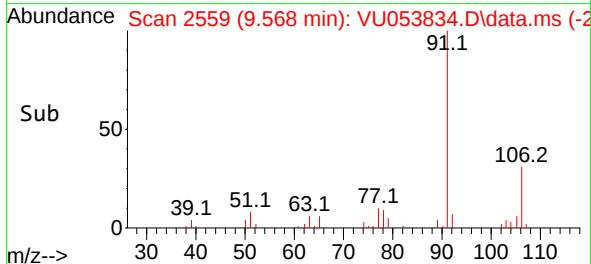
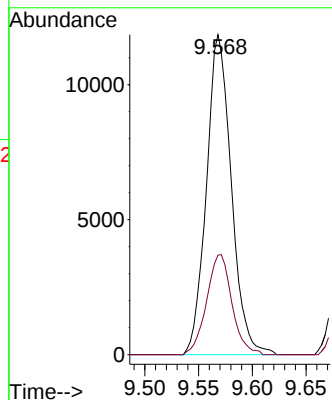
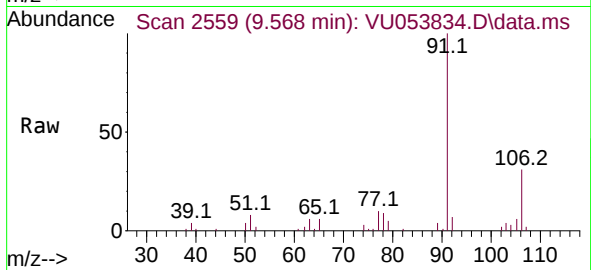




#52
Ethylbenzene
Concen: 0.477 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

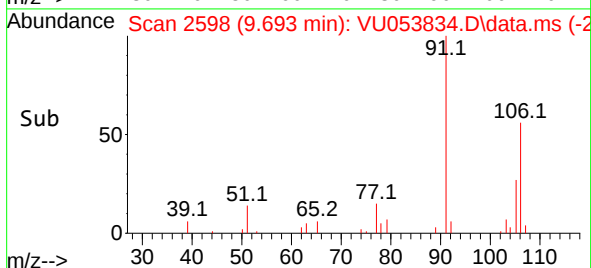
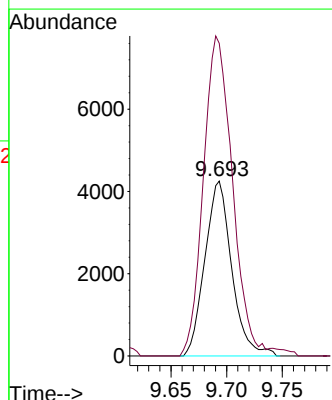
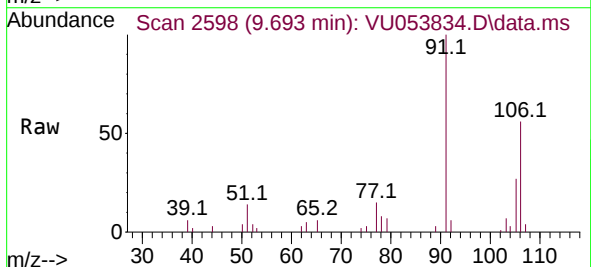
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

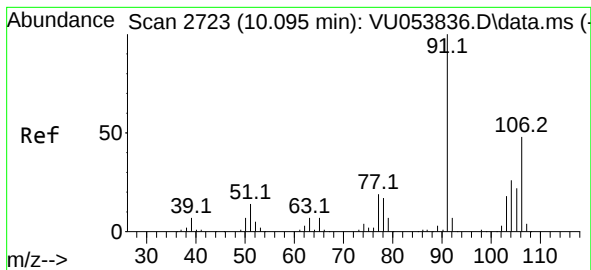
Tgt Ion: 91 Resp: 19110
Ion Ratio Lower Upper
91 100
106 31.1 22.8 42.4



#53
m,p-Xylene
Concen: 0.467 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion: 106 Resp: 7139
Ion Ratio Lower Upper
106 100
91 178.9 142.2 264.0





#54

o-Xylene

Concen: 0.470 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

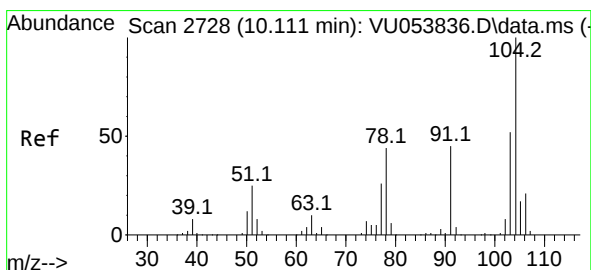
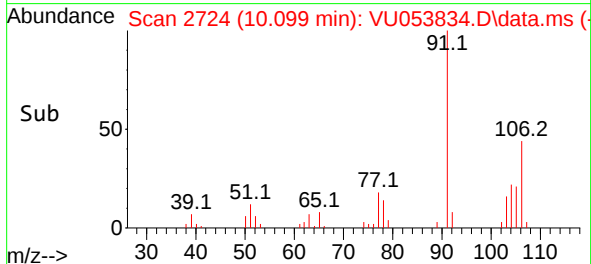
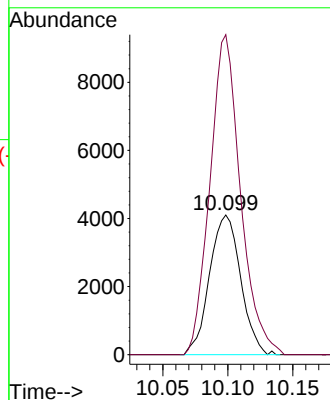
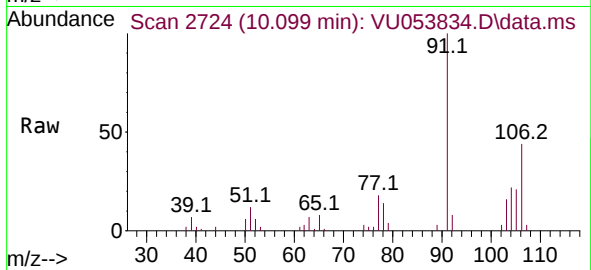
VSTD0.5019

Tgt Ion:106 Resp: 6827

Ion Ratio Lower Upper

106 100

91 229.1 145.5 270.1



#55

Styrene

Concen: 0.450 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU053834.D

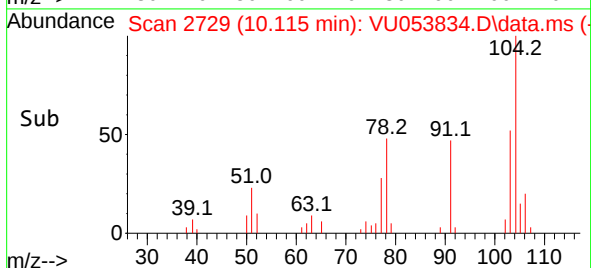
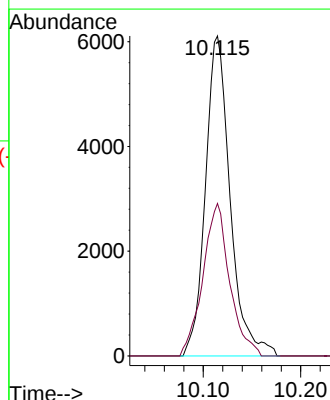
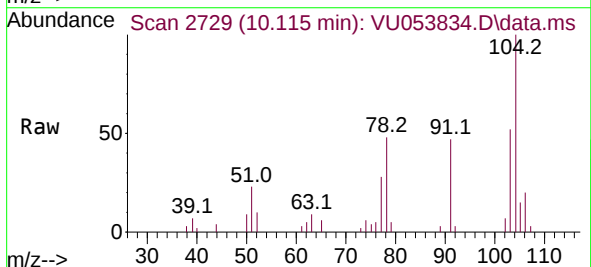
Acq: 24 Apr 2023 11:04

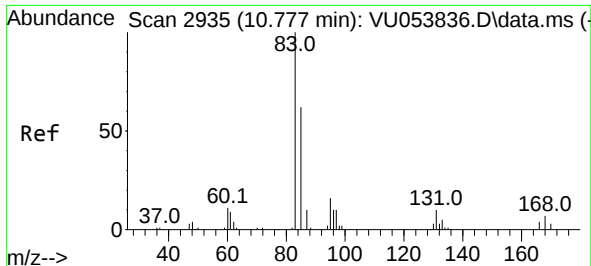
Tgt Ion:104 Resp: 10773

Ion Ratio Lower Upper

104 100

78 47.7 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.452 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5019

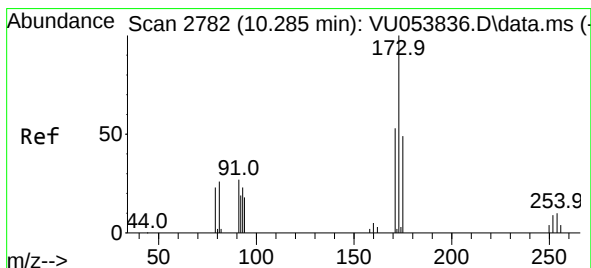
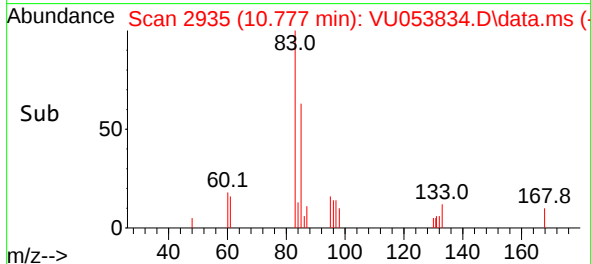
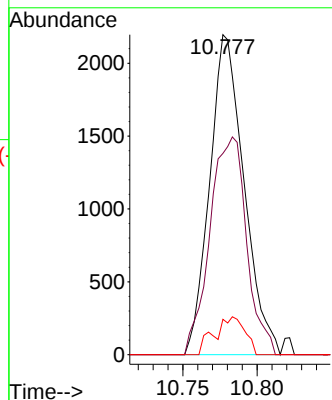
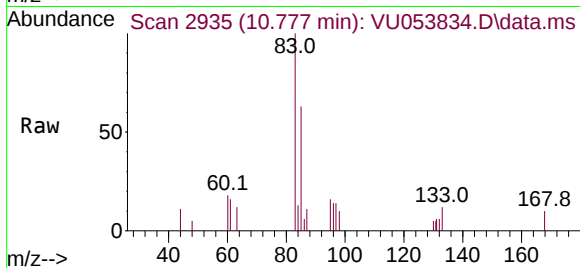
Tgt Ion: 83 Resp: 3529

Ion Ratio Lower Upper

83 100

85 62.9 43.5 80.9

131 11.1 7.8 11.6



#59

Bromoform

Concen: 0.555 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

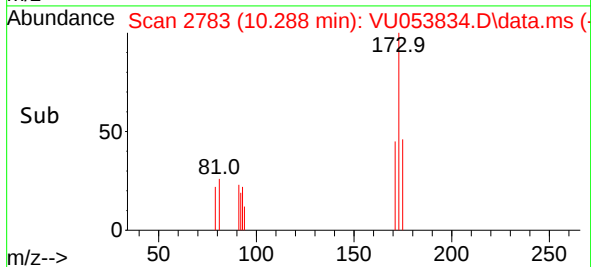
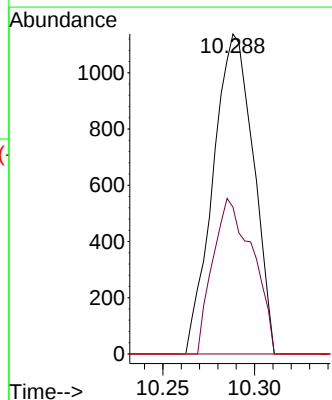
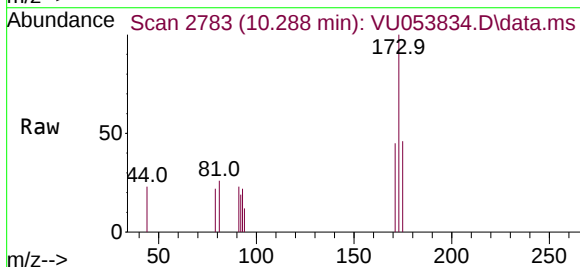
Tgt Ion:173 Resp: 1742

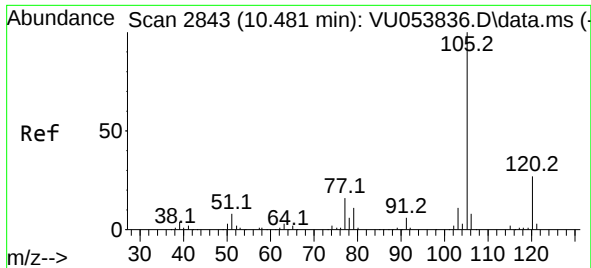
Ion Ratio Lower Upper

173 100

175 48.0 37.4 56.2

254 0.0 7.1 10.7#

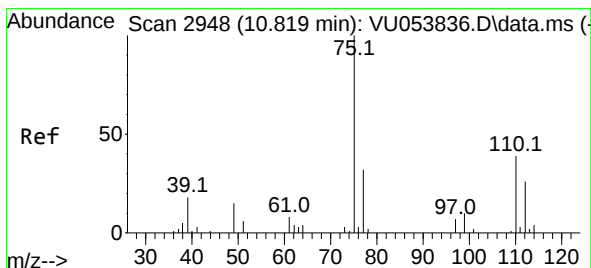
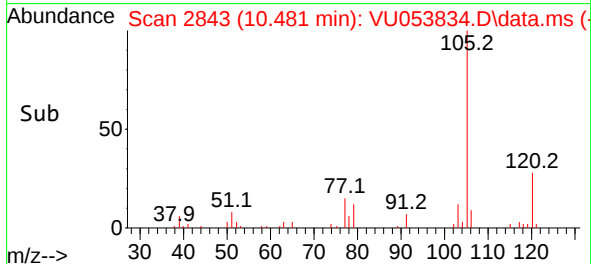
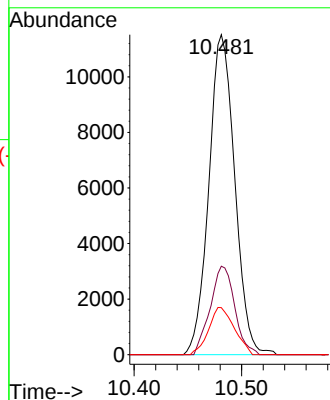
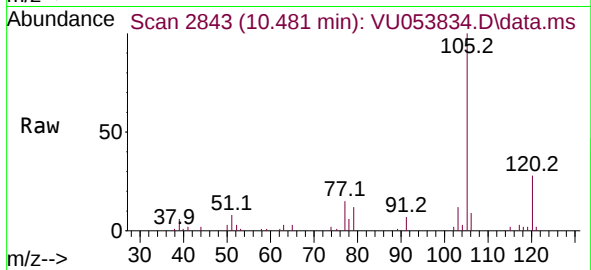




#60
Isopropylbenzene
Concen: 0.533 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

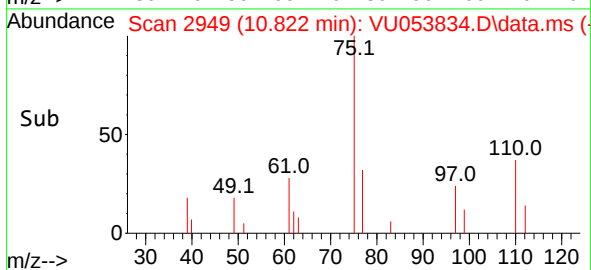
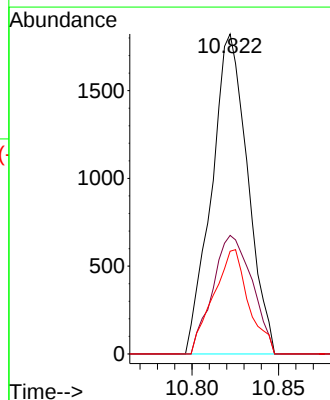
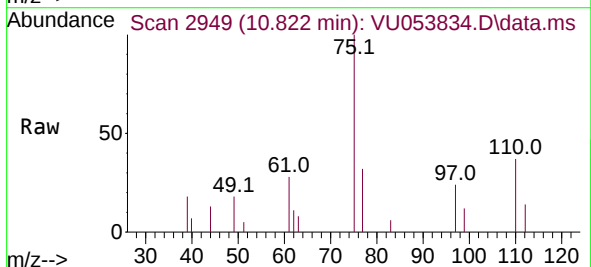
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

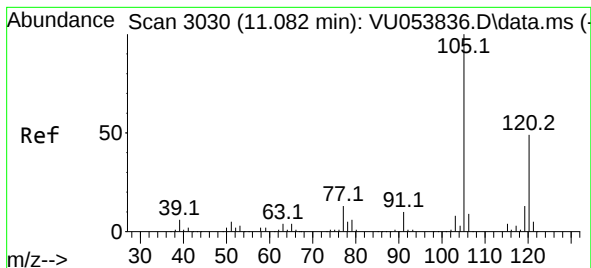
Tgt Ion:105 Resp: 19274
Ion Ratio Lower Upper
105 100
120 26.1 21.4 32.0
77 14.6 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.546 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion: 75 Resp: 2638
Ion Ratio Lower Upper
75 100
110 40.4 30.7 46.1
77 31.8 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 0.493 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

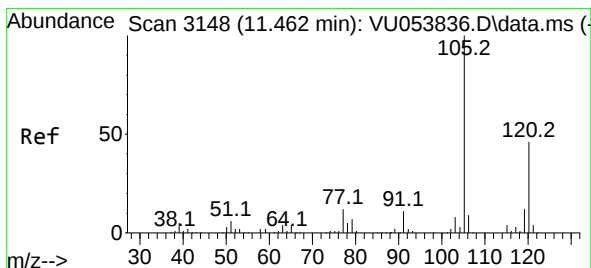
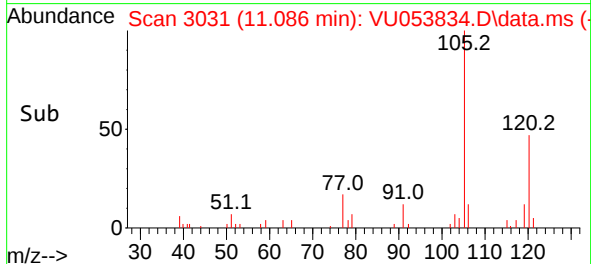
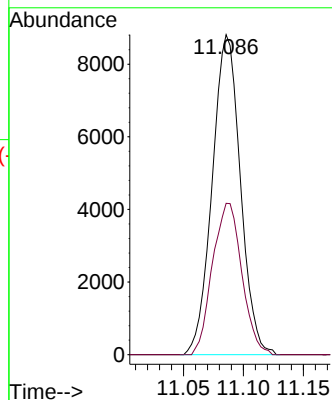
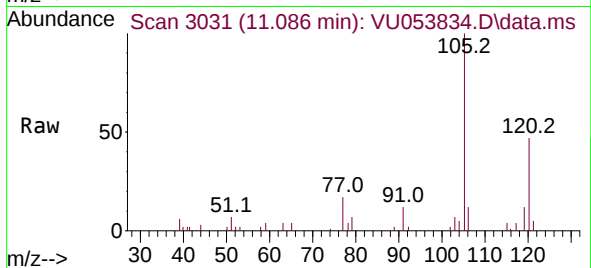
VSTD0.5019

Tgt Ion:105 Resp: 14374

Ion Ratio Lower Upper

105 100

120 49.2 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 0.433 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU053834.D

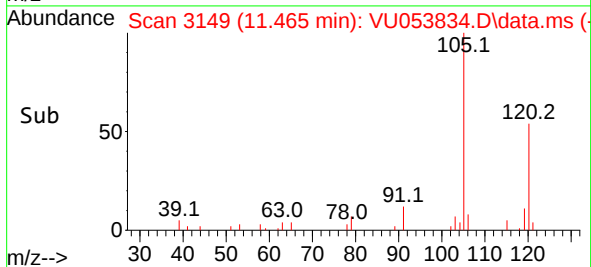
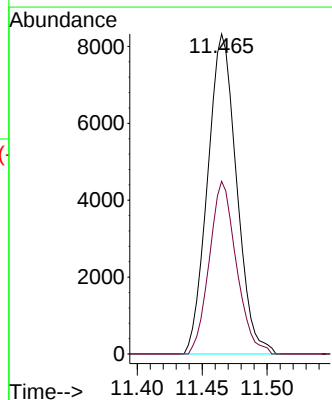
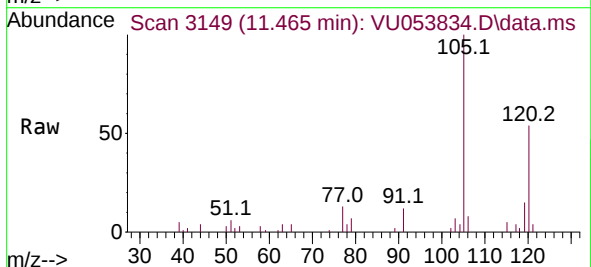
Acq: 24 Apr 2023 11:04

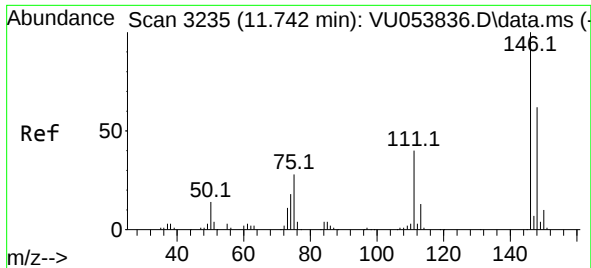
Tgt Ion:105 Resp: 12902

Ion Ratio Lower Upper

105 100

120 50.3 37.1 55.7

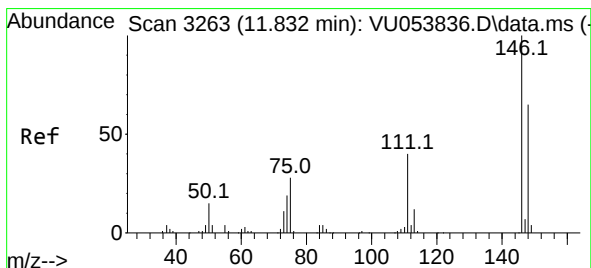
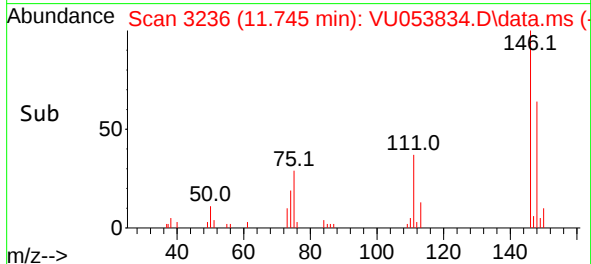
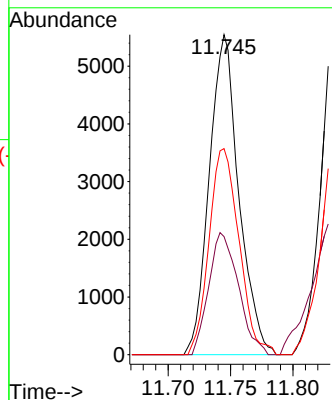
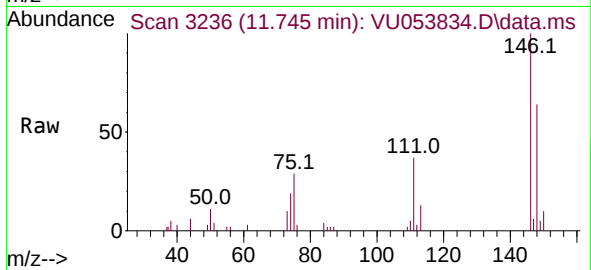




#64
1,3-Dichlorobenzene
Concen: 0.564 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

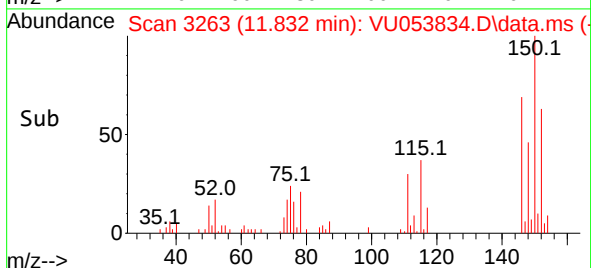
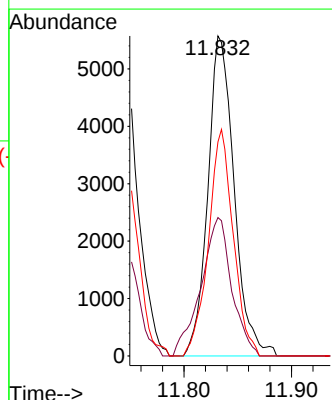
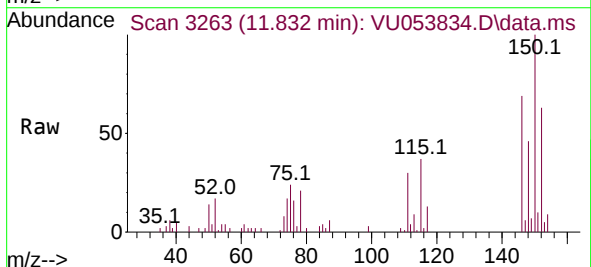
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

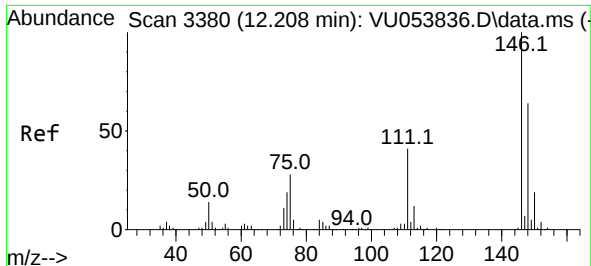
Tgt Ion:146 Resp: 9153
Ion Ratio Lower Upper
146 100
111 36.9 27.9 51.9
148 64.4 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 0.583 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion:146 Resp: 9472
Ion Ratio Lower Upper
146 100
111 43.3 28.3 52.7
148 66.9 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 0.579 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5019

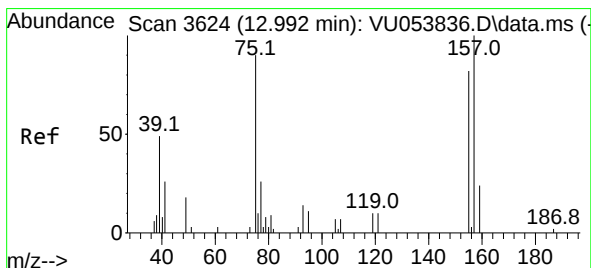
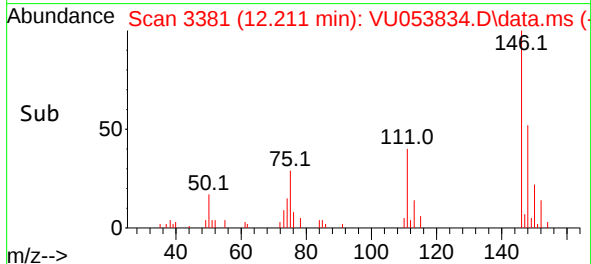
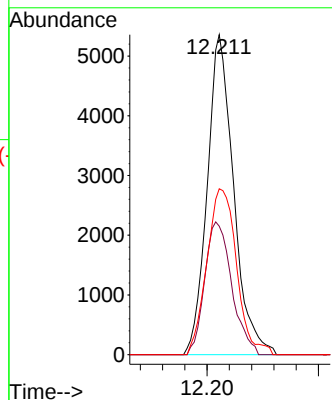
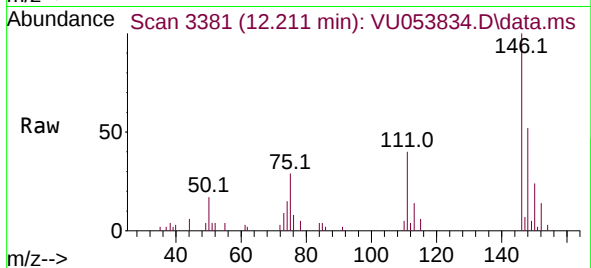
Tgt Ion:146 Resp: 8821

Ion Ratio Lower Upper

146 100

111 40.1 32.6 49.0

148 51.8 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.175 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

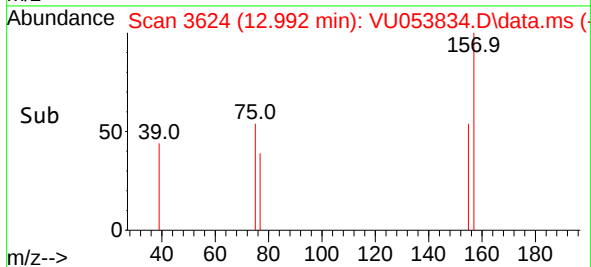
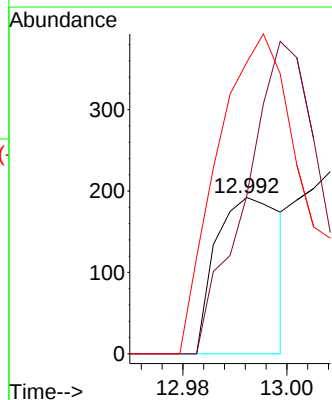
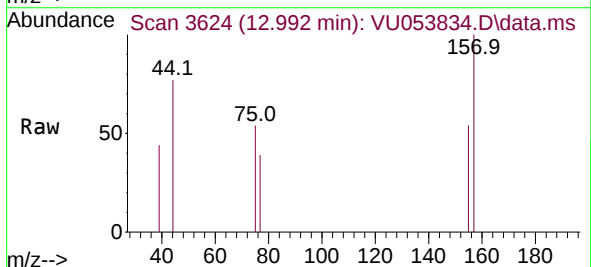
Tgt Ion: 75 Resp: 166

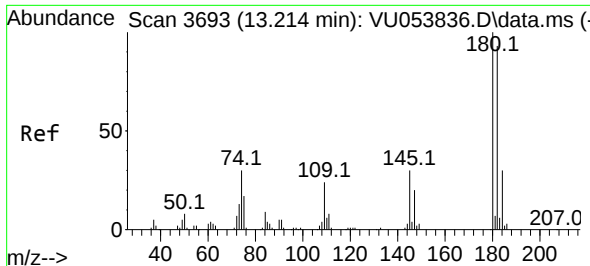
Ion Ratio Lower Upper

75 100

155 101.0 72.8 109.2

157 186.5 89.1 133.7#





#69

1,3,5-Trichlorobenzene

Concen: 0.566 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.006 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5019

Tgt Ion:180 Resp: 6438

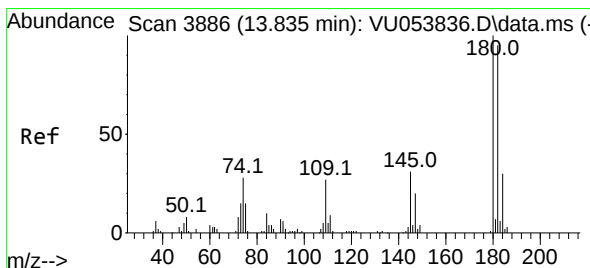
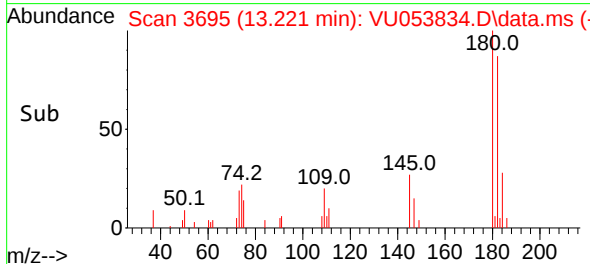
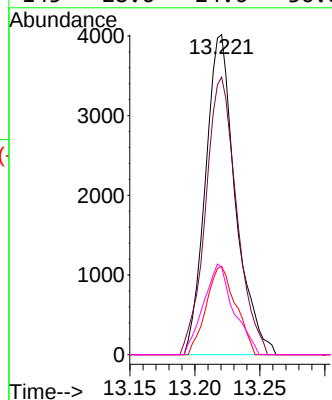
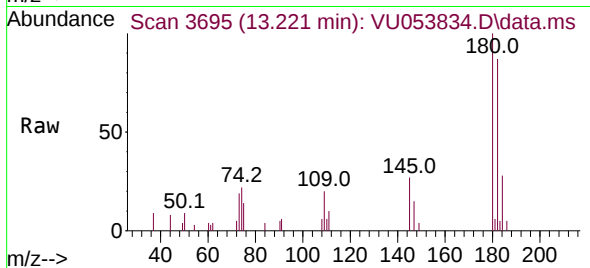
Ion Ratio Lower Upper

180 100

182 89.9 75.1 112.7

184 27.2 24.2 36.2

145 28.6 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 0.533 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053834.D

Acq: 24 Apr 2023 11:04

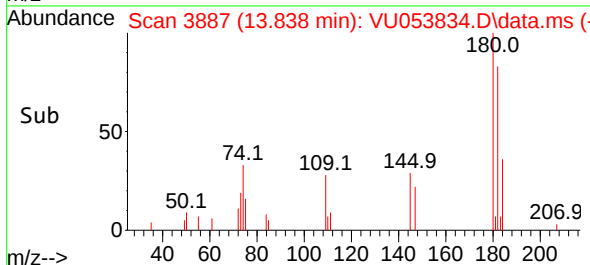
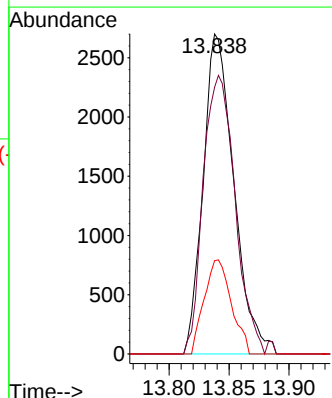
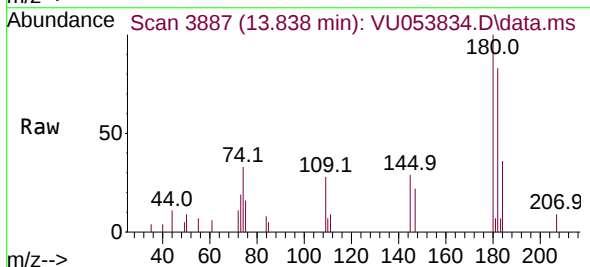
Tgt Ion:180 Resp: 4804

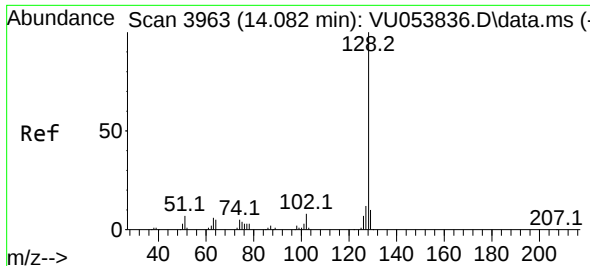
Ion Ratio Lower Upper

180 100

182 90.5 75.5 113.3

145 26.0 25.8 38.6

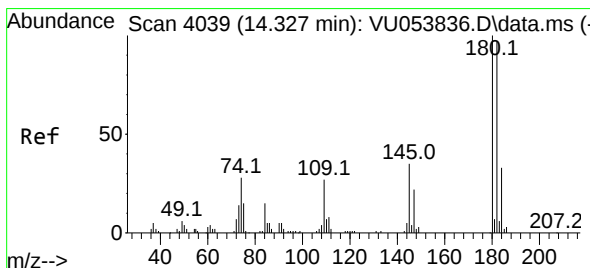
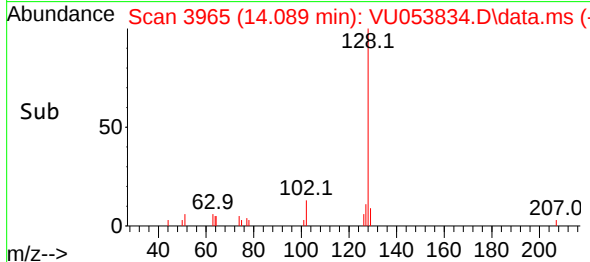
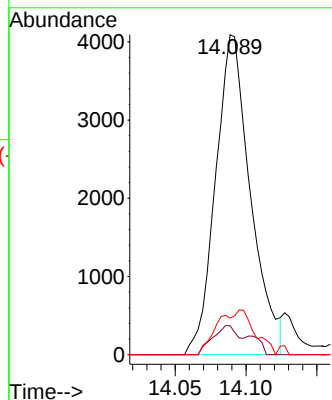
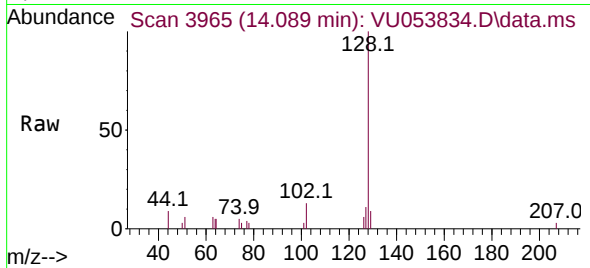




#71
Naphthalene
Concen: 0.422 ug/L
RT: 14.089 min Scan# 3963
Delta R.T. 0.006 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5019

Tgt Ion:128 Resp: 7010
Ion Ratio Lower Upper
128 100
129 6.8 8.5 12.7#
127 0.0 10.1 15.1#



#72
1,2,3-Trichlorobenzene
Concen: 0.522 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU053834.D
Acq: 24 Apr 2023 11:04

Tgt Ion:180 Resp: 4115
Ion Ratio Lower Upper
180 100
182 101.9 77.4 116.2
145 28.9 26.8 40.2

