

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053840.D
 Acq On : 24 Apr 2023 13:27
 Operator : JC/MD
 Sample : VSTD0.524
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5024

Quant Time: Apr 25 04:24:28 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	140301	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	128894	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	67539	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	3932	0.424	ug/L	0.00
7) Chloroethane-d5	1.916	69	3348	0.405	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.572	65	1600	0.412	ug/L	0.00
20) 2-Butanone-d5	4.652	46	6464	3.181	ug/L	0.02
24) Chloroform-d	5.067	84	6833	0.399	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	3322	0.384	ug/L	0.00
32) Benzene-d6	5.723	84	13849	0.395	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	4174	0.394	ug/L	0.00
41) Toluene-d8	7.896	98	13398	0.408	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	1712	0.420	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	5199	3.243	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	3914	0.453	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	6902	0.607	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	4569	0.449	ug/L	98
3) Chloromethane	1.520	50	4829	0.475	ug/L	100
5) Vinyl chloride	1.604	62	4853	0.420	ug/L #	74
6) Bromomethane	1.861	94	3538	0.480	ug/L	97
8) Chloroethane	1.935	64	3415	0.509	ug/L	82
9) Trichlorofluoromethane	2.138	101	7615	0.444	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	4578	0.512	ug/L	91
12) 1,1-Dichloroethene	2.581	96	4220	0.521	ug/L	84
13) Acetone	2.655	43	6379	4.965	ug/L	84
14) Carbon disulfide	2.793	76	10704	0.454	ug/L #	92
15) Methyl Acetate	2.957	43	556	0.185	ug/L #	61
16) Methylene chloride	3.044	84	5121	0.476	ug/L	94
17) Methyl tert-butyl Ether	3.363	73	7748	0.402	ug/L #	89
18) trans-1,2-Dichloroethene	3.356	96	3947	0.471	ug/L	94
19) 1,1-Dichloroethane	3.871	63	6854	0.444	ug/L	98
21) 2-Butanone	4.732	43	6938	3.482	ug/L	92
22) cis-1,2-Dichloroethene	4.668	96	4651	0.415	ug/L	81
23) Bromochloromethane	4.973	128	1901	0.465	ug/L	93
25) Chloroform	5.086	83	7694	0.479	ug/L	93
27) 1,2-Dichloroethane	5.793	62	4379	0.444	ug/L	95
29) 1,1,1-Trichloroethane	5.314	97	6499	0.496	ug/L #	85
30) Cyclohexane	5.385	56	5811	0.429	ug/L	95
31) Carbon tetrachloride	5.523	117	5122	0.452	ug/L	92
33) Benzene	5.774	78	16544	0.468	ug/L	100
34) Trichloroethene	6.539	95	4251	0.450	ug/L	78
35) Methylcyclohexane	6.758	83	6297	0.398	ug/L	92
37) 1,2-Dichloropropane	6.790	63	3798	0.413	ug/L #	96
38) Bromodichloromethane	7.102	83	4776	0.459	ug/L #	91
39) cis-1,3-Dichloropropene	7.610	75	5930	0.439	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	18229	4.155	ug/L	97
42) Toluene	7.967	91	16729	0.435	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	4826	0.439	ug/L	92

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 Quant Title : TRACE VOA SFAM1.0
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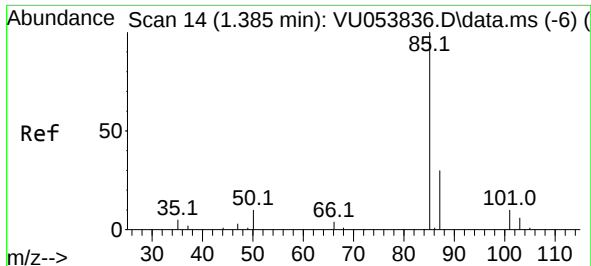
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	2733	0.414	ug/L	93
47) Tetrachloroethene	8.549	164	3662	0.518	ug/L	90
48) 2-Hexanone	8.684	43	16235	5.036	ug/L	95
49) Dibromochloromethane	8.803	129	2874	0.435	ug/L	98
50) 1,2-Dibromoethane	8.919	107	2497	0.396	ug/L #	86
51) Chlorobenzene	9.443	112	12730	0.524	ug/L	92
52) Ethylbenzene	9.568	91	19110	0.458	ug/L	98
53) m,p-Xylene	9.694	106	6677	0.420	ug/L	98
54) o-Xylene	10.095	106	6435	0.425	ug/L	99
55) Styrene	10.115	104	10327	0.415	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	3854	0.474	ug/L #	88
59) Bromoform	10.288	173	1674	0.471	ug/L #	87
60) Isopropylbenzene	10.481	105	17381	0.424	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	2435	0.445	ug/L	94
62) 1,3,5-Trimethylbenzene	11.086	105	14070	0.426	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	14451	0.428	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	10242	0.557	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	11085	0.602	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	9526	0.552	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.999	75	478	0.444	ug/L #	57
69) 1,3,5-Trichlorobenzene	13.214	180	7732	0.600	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	8755	0.857	ug/L	92
71) Naphthalene	14.086	128	18107	0.962	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	8360	0.937	ug/L	99

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

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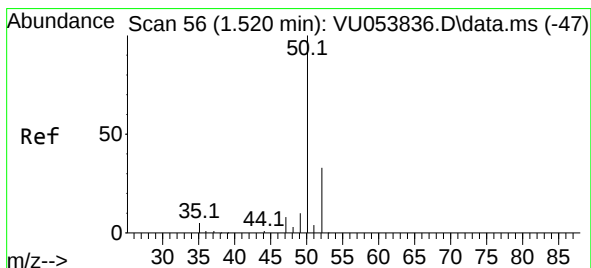
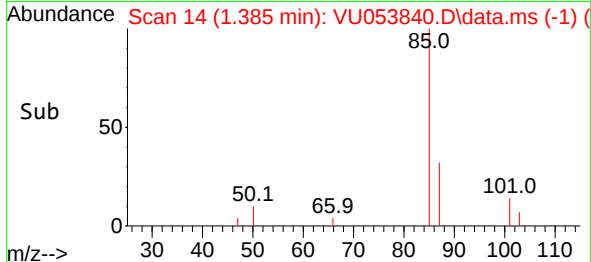
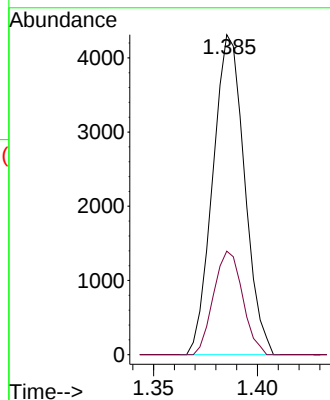
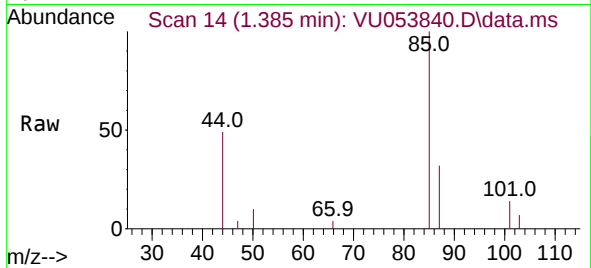




#2
Dichlorodifluoromethane
Concen: 0.449 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
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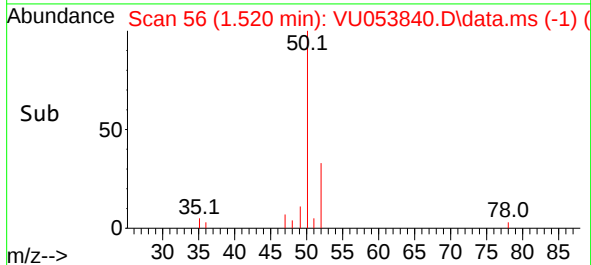
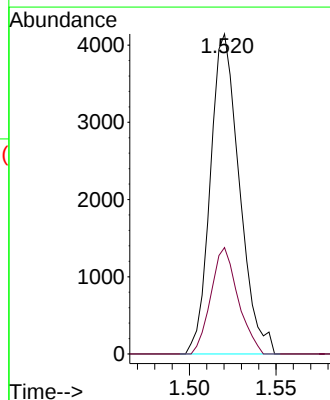
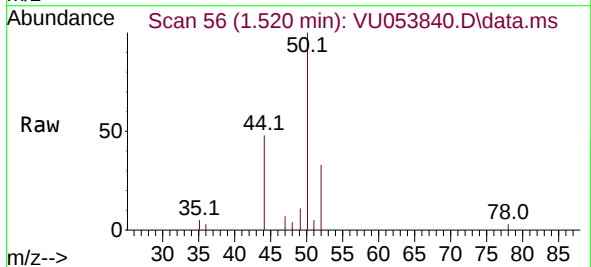
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

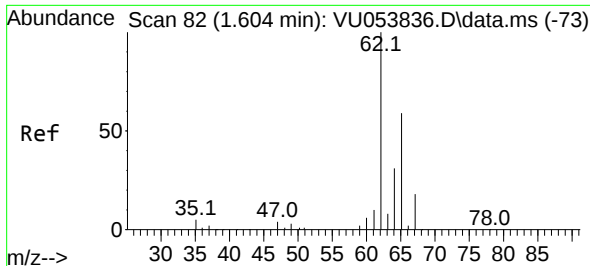
Tgt Ion: 85 Resp: 4569
Ion Ratio Lower Upper
85 100
87 29.5 24.5 36.7



#3
Chloromethane
Concen: 0.475 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion: 50 Resp: 4829
Ion Ratio Lower Upper
50 100
52 33.3 23.4 43.6

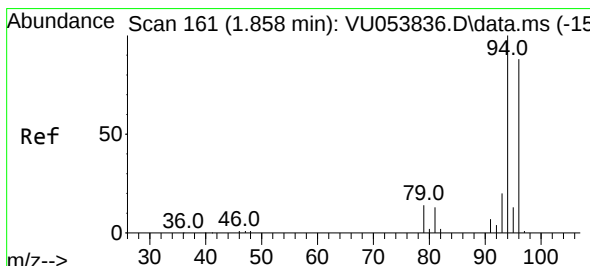
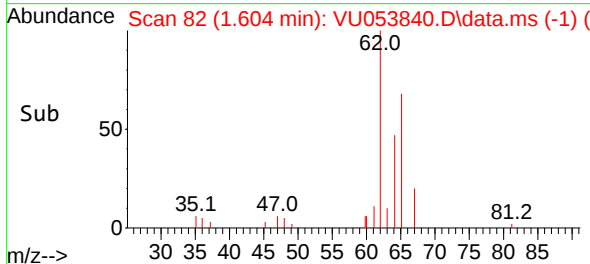
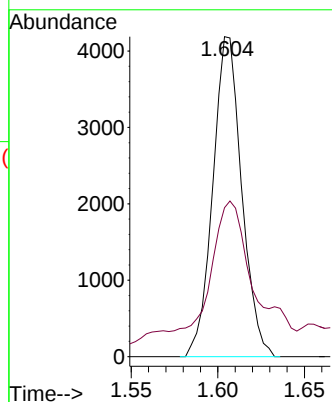
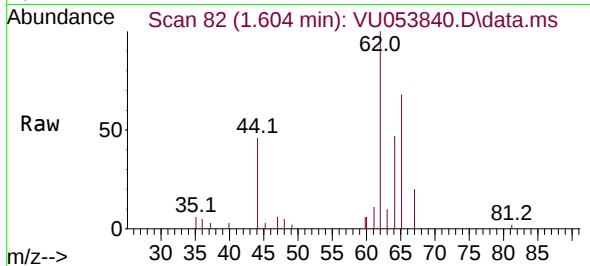




#5
 Vinyl chloride
 Concen: 0.420 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

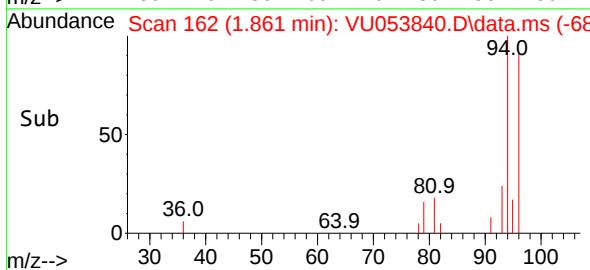
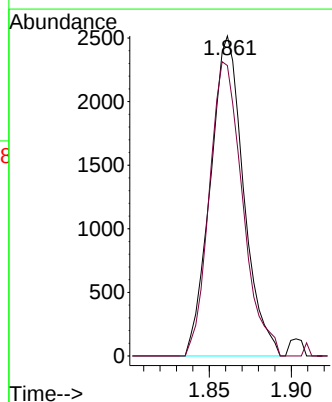
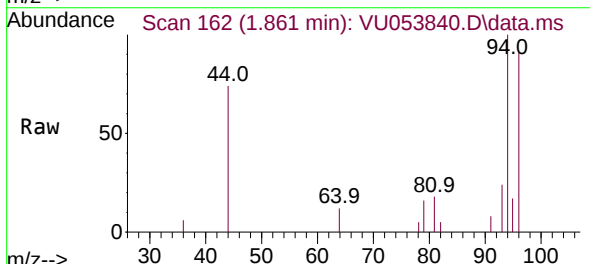
Instrument :
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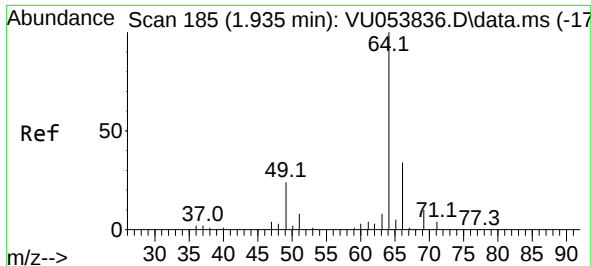
Tgt Ion: 62 Resp: 4853
 Ion Ratio Lower Upper
 62 100
 64 46.6 22.4 41.6#



#6
 Bromomethane
 Concen: 0.480 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

Tgt Ion: 94 Resp: 3538
 Ion Ratio Lower Upper
 94 100
 96 90.7 61.9 114.9

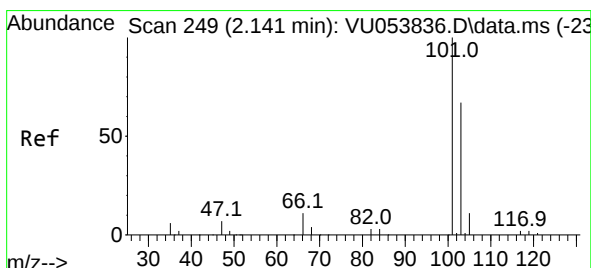
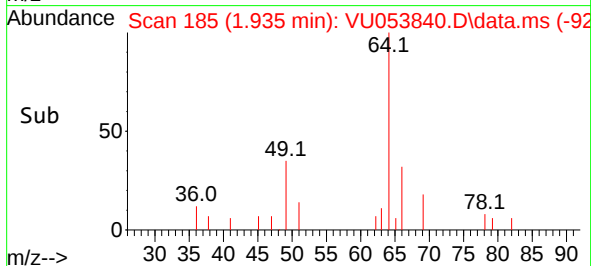
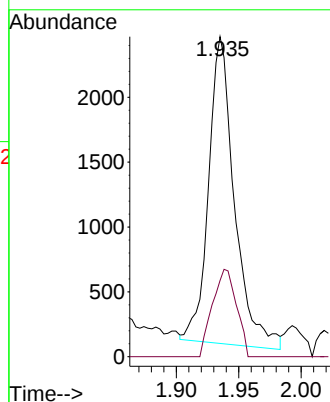
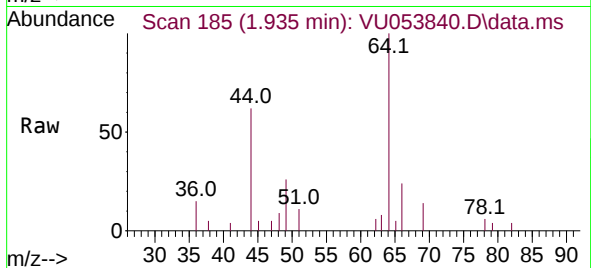




#8
Chloroethane
Concen: 0.509 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

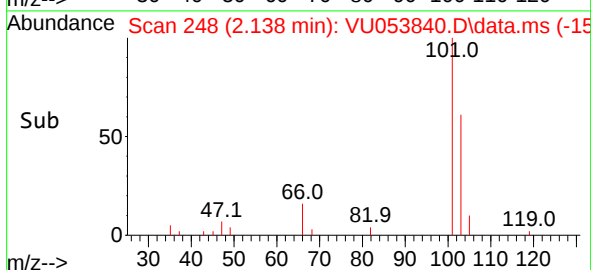
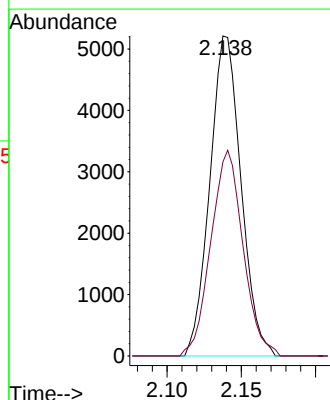
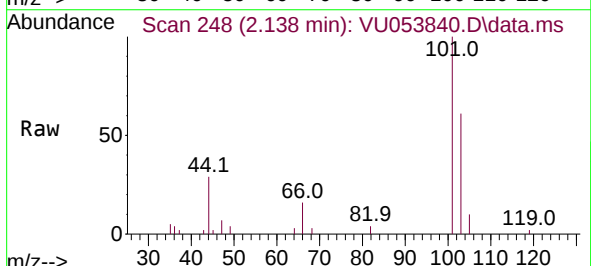
Instrument :
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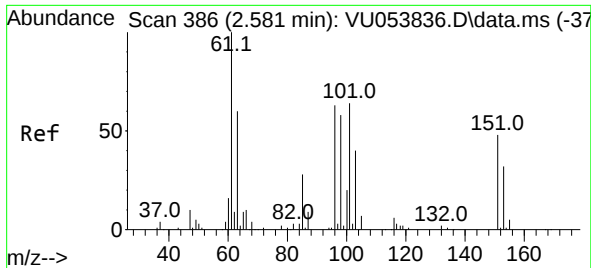
Tgt Ion: 64 Resp: 3415
Ion Ratio Lower Upper
64 100
66 23.8 23.8 44.2



#9
Trichlorofluoromethane
Concen: 0.444 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion:101 Resp: 7615
Ion Ratio Lower Upper
101 100
103 66.4 52.6 78.8

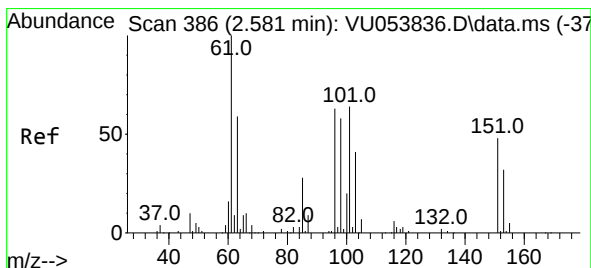
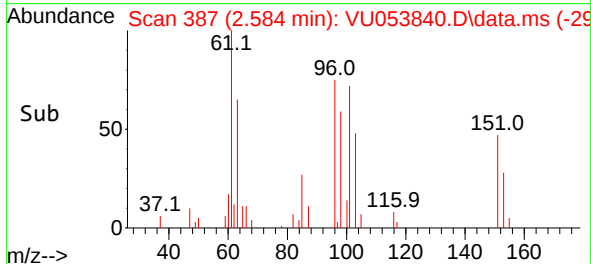
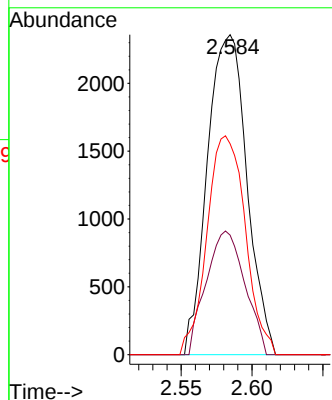
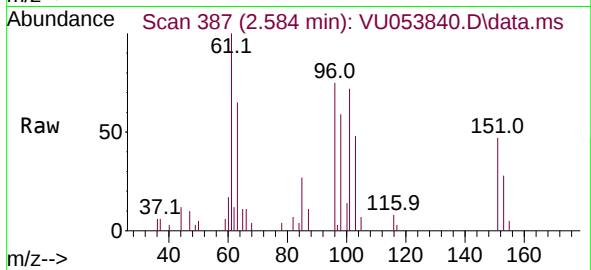




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.512 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.003 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

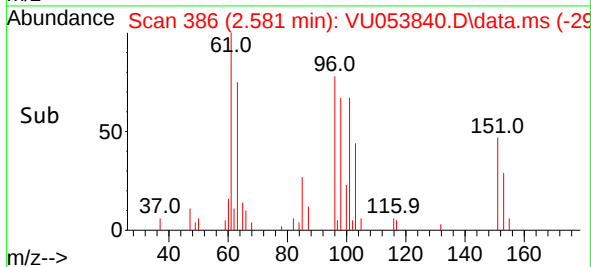
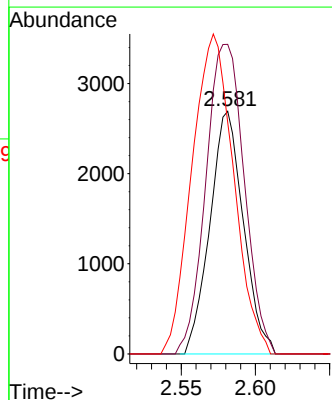
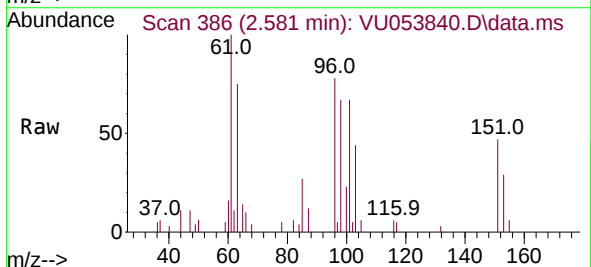
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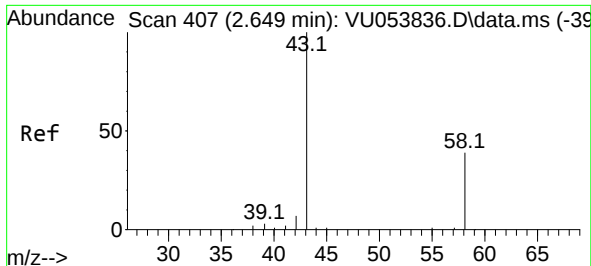
Tgt Ion:101 Resp: 4578
 Ion Ratio Lower Upper
 101 100
 85 37.8 34.7 52.1
 151 66.3 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 0.521 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

Tgt Ion: 96 Resp: 4220
 Ion Ratio Lower Upper
 96 100
 61 127.6 111.5 207.1
 63 95.4 68.7 127.7





#13

Acetone

Concen: 4.965 ug/L

RT: 2.655 min Scan# 409

Delta R.T. 0.007 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

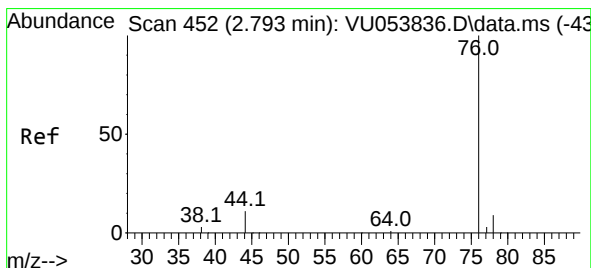
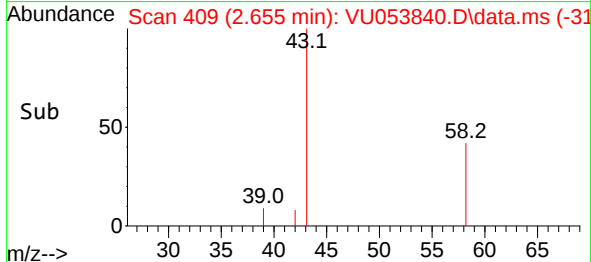
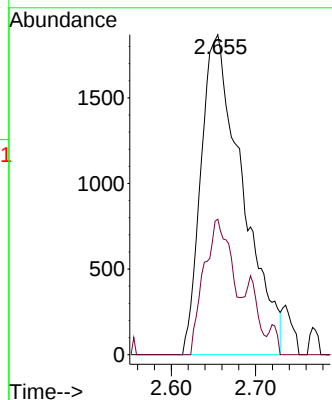
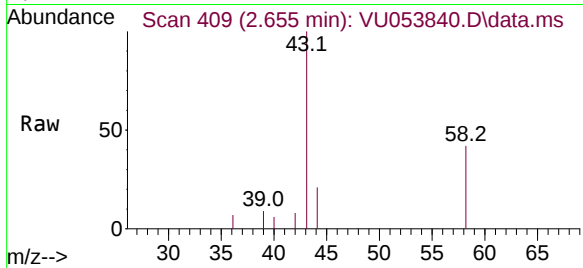
VSTD0.5024

Tgt Ion: 43 Resp: 6379

Ion Ratio Lower Upper

43 100

58 28.5 0.0 76.2



#14

Carbon disulfide

Concen: 0.454 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053840.D

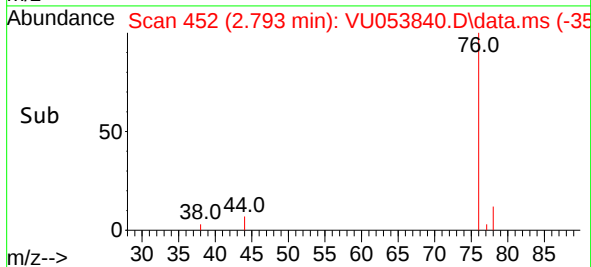
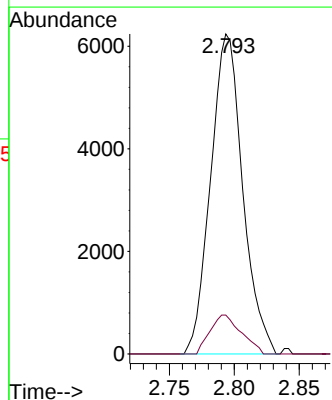
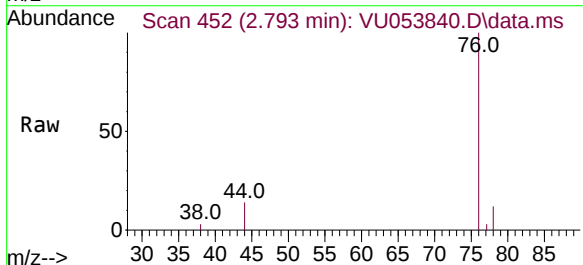
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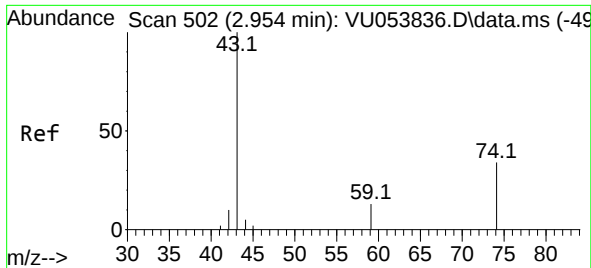
Tgt Ion: 76 Resp: 10704

Ion Ratio Lower Upper

76 100

78 12.2 7.3 10.9#

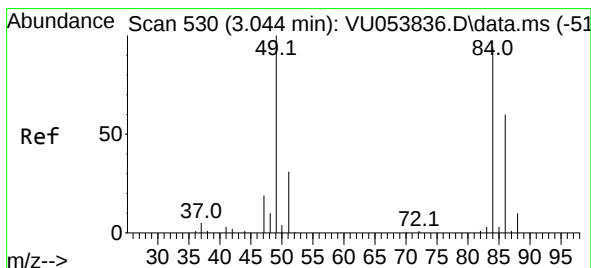
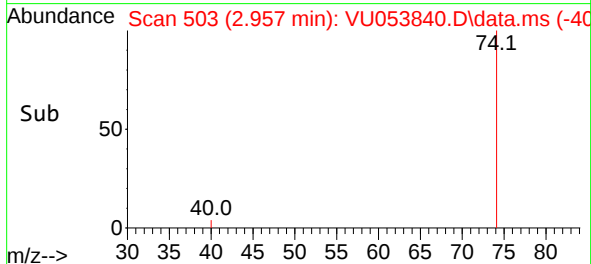
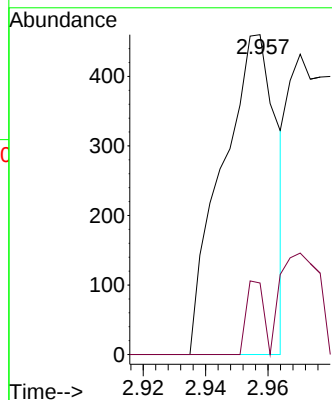
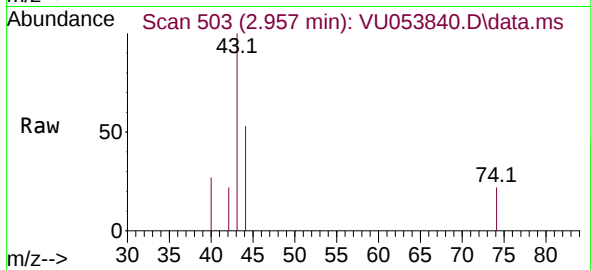




#15
Methyl Acetate
Concen: 0.185 ug/L
RT: 2.957 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

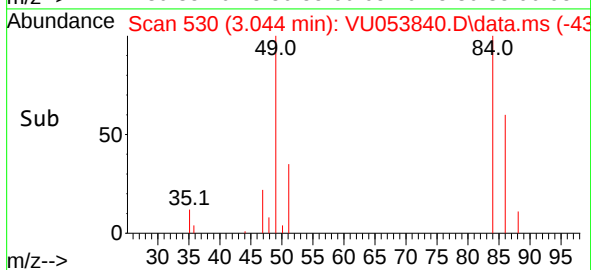
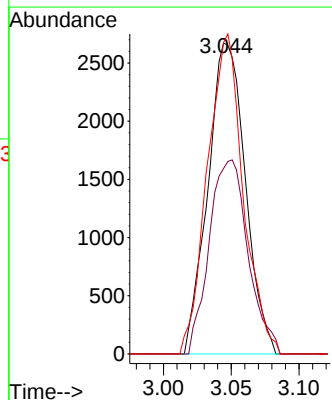
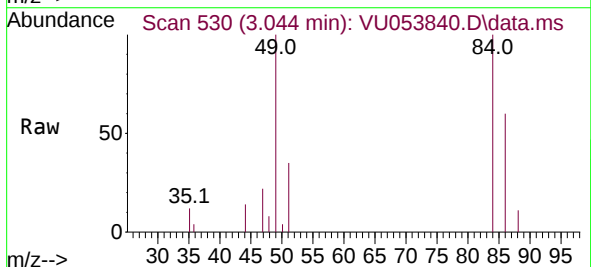
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ClientSampleId :
VSTD0.5024

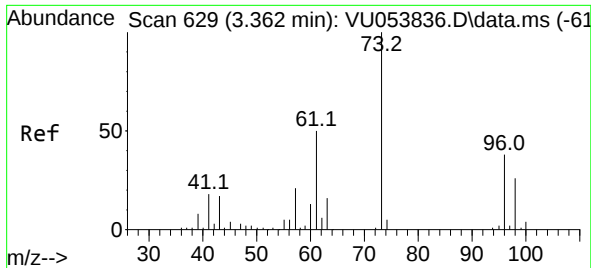
Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
74 7.2 22.0 33.0#



#16
Methylene chloride
Concen: 0.476 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion: 84 Resp: 5121
Ion Ratio Lower Upper
84 100
86 59.7 45.0 83.6
49 100.2 74.8 138.8





#17

Methyl tert-butyl Ether

Concen: 0.402 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5024

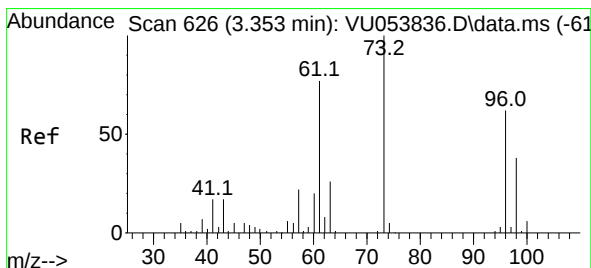
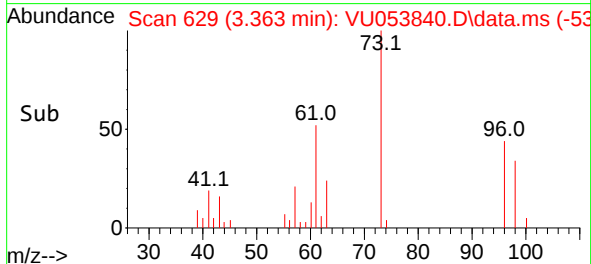
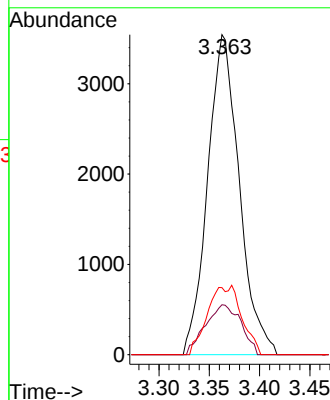
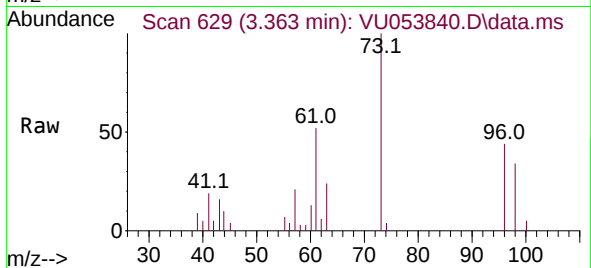
Tgt Ion: 73 Resp: 7748

Ion Ratio Lower Upper

73 100

43 17.6 13.4 20.2

57 12.9 17.2 25.8#



#18

trans-1,2-Dichloroethene

Concen: 0.471 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

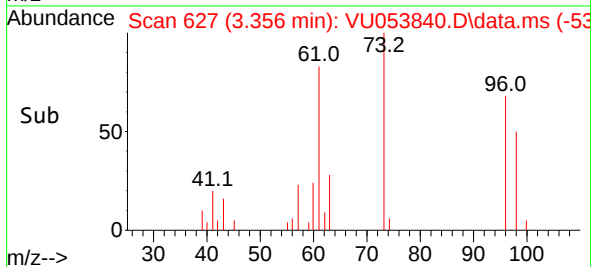
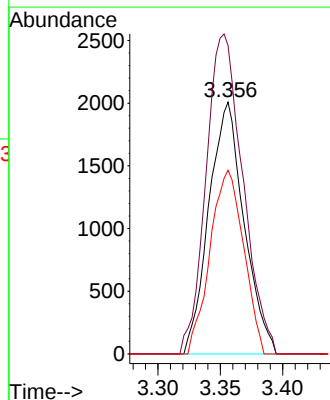
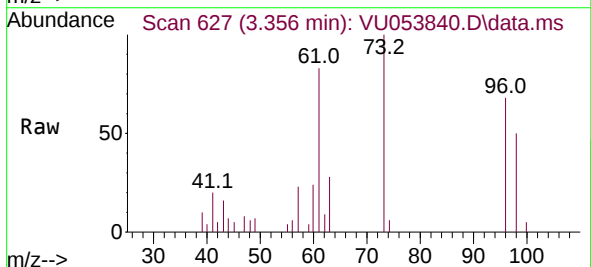
Tgt Ion: 96 Resp: 3947

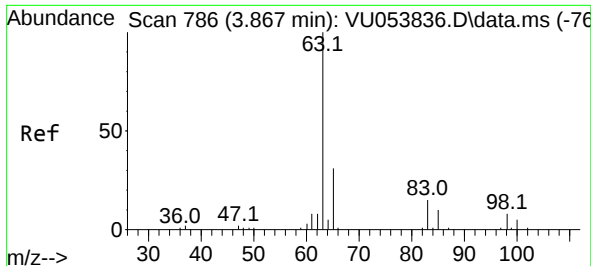
Ion Ratio Lower Upper

96 100

61 122.5 86.2 160.0

98 73.0 42.8 79.4

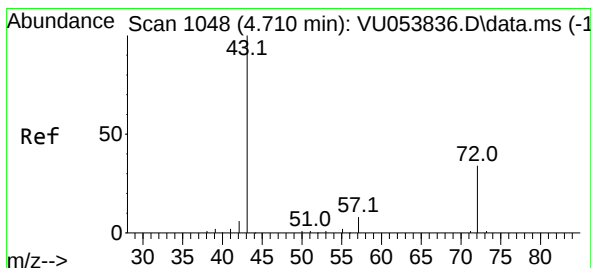
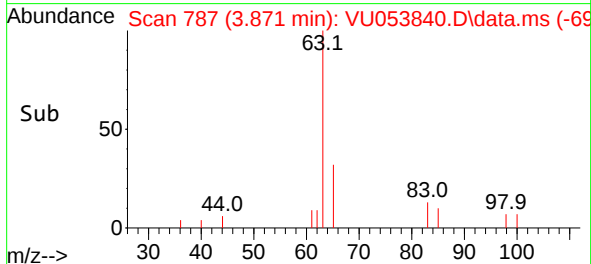
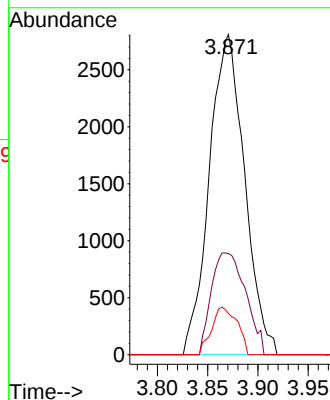
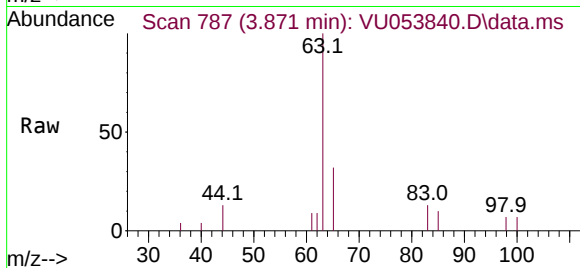




#19
1,1-Dichloroethane
Concen: 0.444 ug/L
RT: 3.871 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

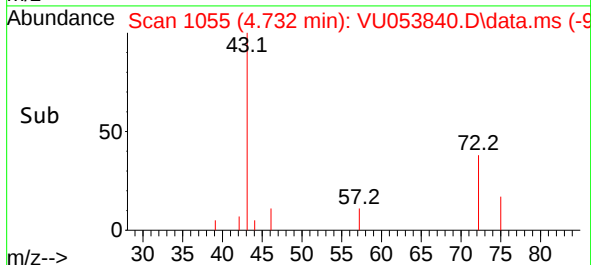
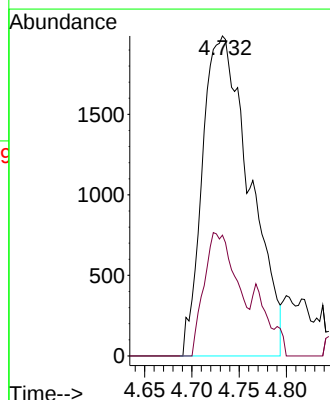
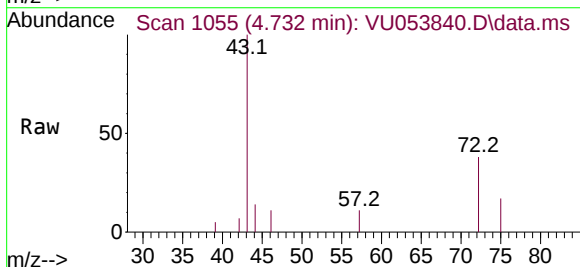
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

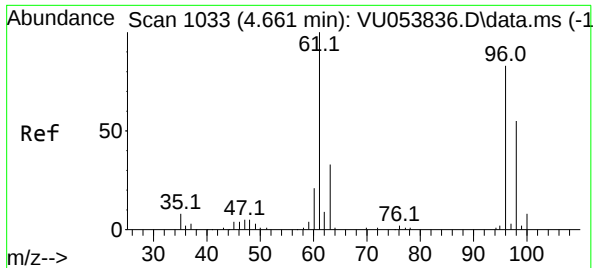
Tgt Ion: 63 Resp: 6854
Ion Ratio Lower Upper
63 100
65 31.6 22.0 40.8
83 12.9 10.3 19.1



#21
2-Butanone
Concen: 3.482 ug/L
RT: 4.732 min Scan# 1055
Delta R.T. 0.023 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion: 43 Resp: 6938
Ion Ratio Lower Upper
43 100
72 26.7 15.7 47.0

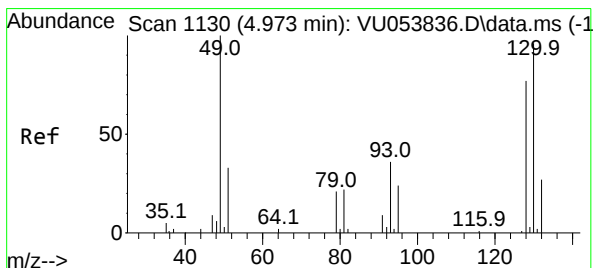
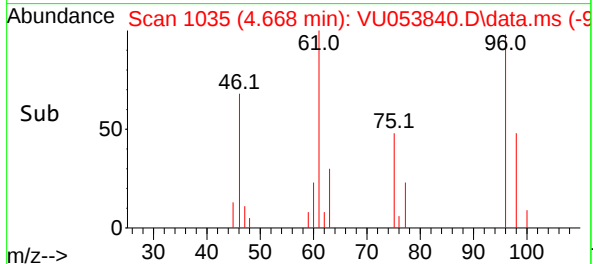
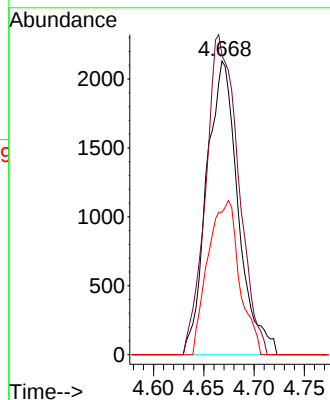
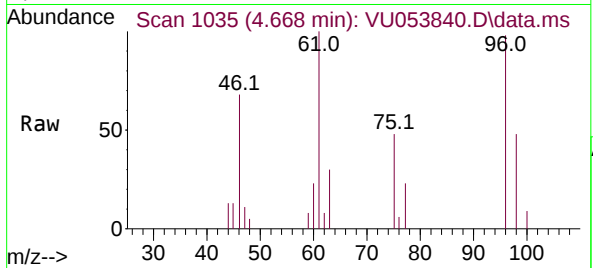




#22
 cis-1,2-Dichloroethene
 Concen: 0.415 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.007 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

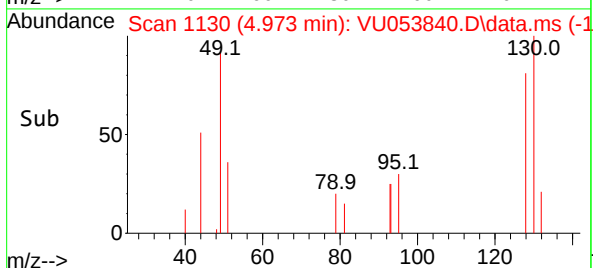
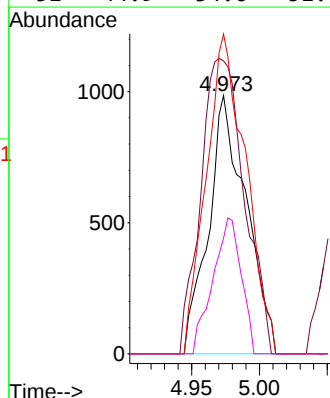
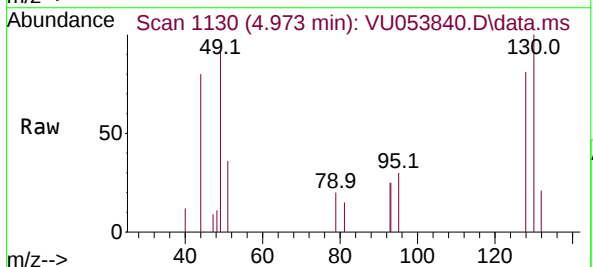
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5024

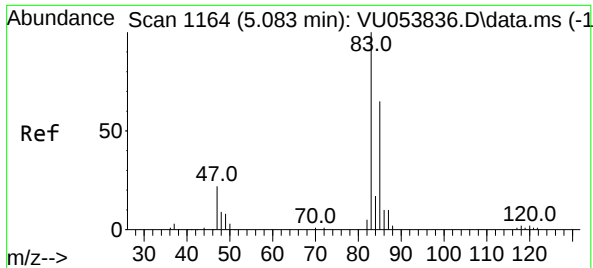
Tgt Ion: 96	Resp:	4651	
Ion	Ratio	Lower	Upper
96	100		
61	102.0	84.3	156.5
98	48.5	46.4	86.2



#23
 Bromochloromethane
 Concen: 0.465 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

Tgt	Ion:128	Resp:	1901
Ion	Ratio	Lower	Upper
128	100		
49	113.4	91.3	169.5
130	123.9	87.6	162.8
51	44.9	34.6	51.8





#25

Chloroform

Concen: 0.479 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

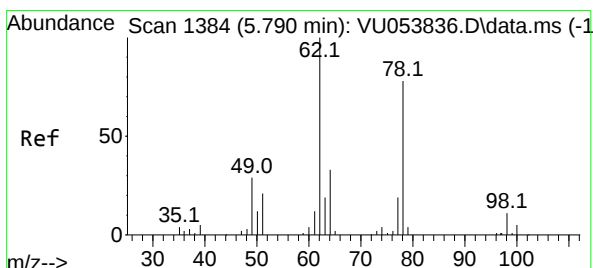
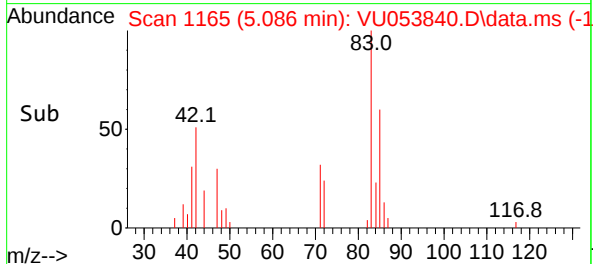
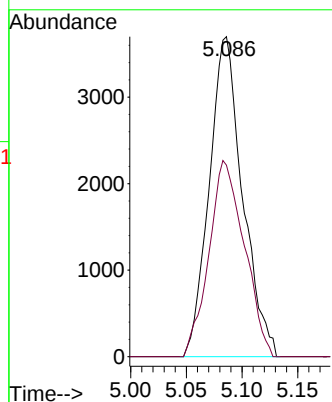
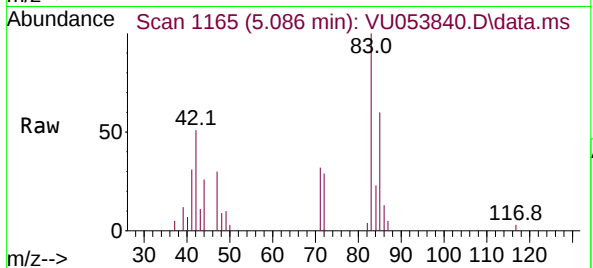
VSTD0.5024

Tgt Ion: 83 Resp: 7694

Ion Ratio Lower Upper

83 100

85 59.9 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.444 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053840.D

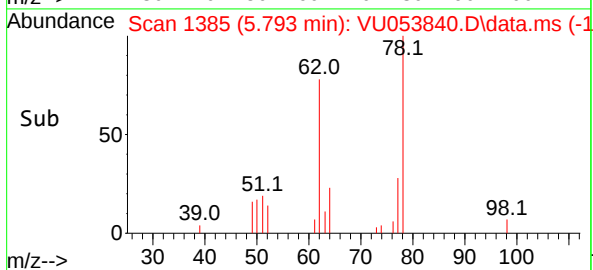
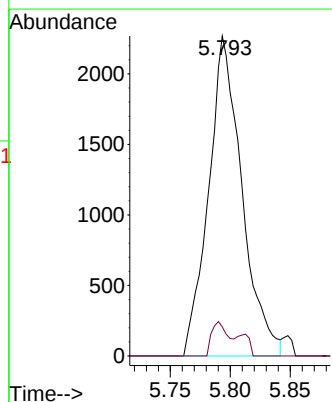
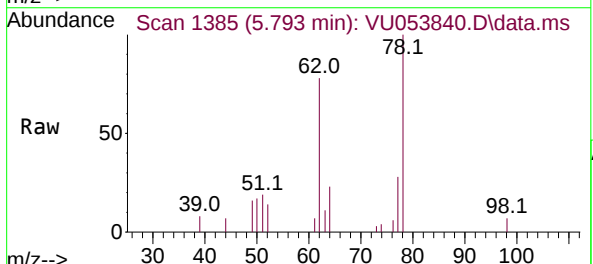
Acq: 24 Apr 2023 13:27

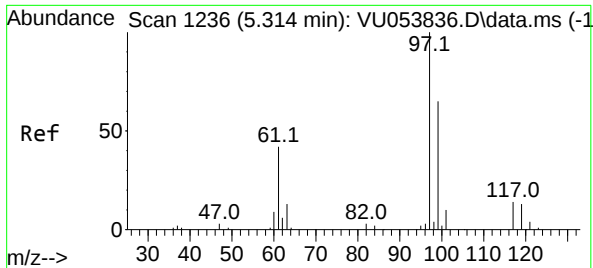
Tgt Ion: 62 Resp: 4379

Ion Ratio Lower Upper

62 100

98 9.1 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 0.496 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5024

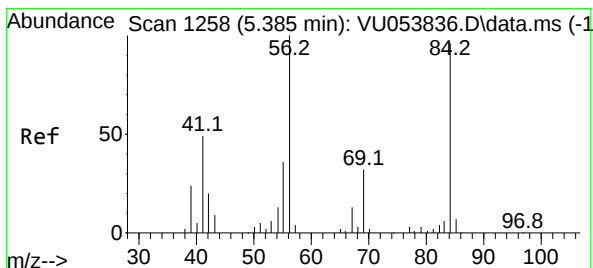
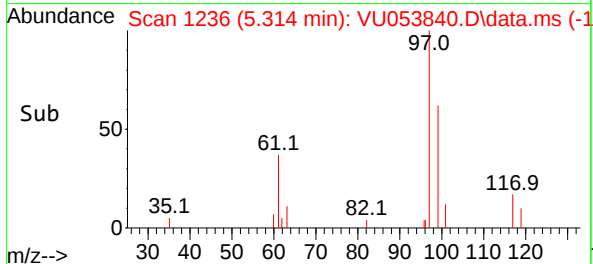
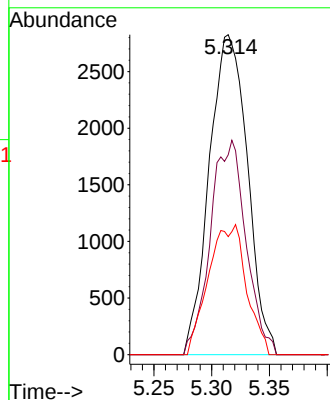
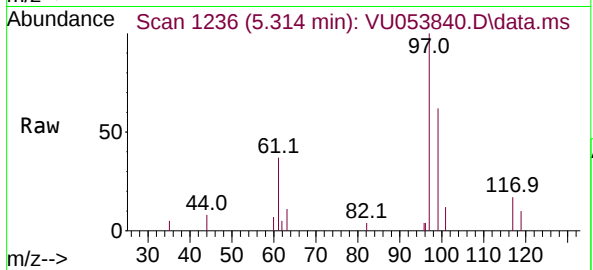
Tgt Ion: 97 Resp: 6499

Ion Ratio Lower Upper

97 100

99 62.6 52.9 79.3

61 22.7 33.8 50.8#



#30

Cyclohexane

Concen: 0.429 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

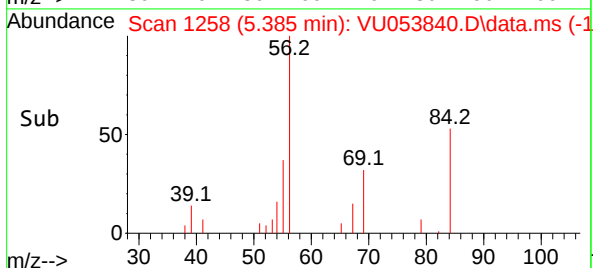
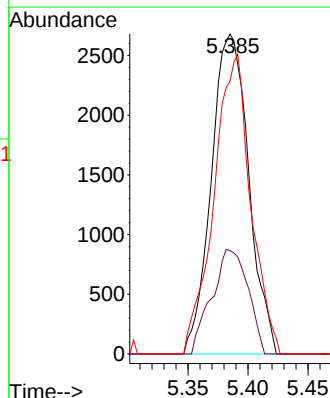
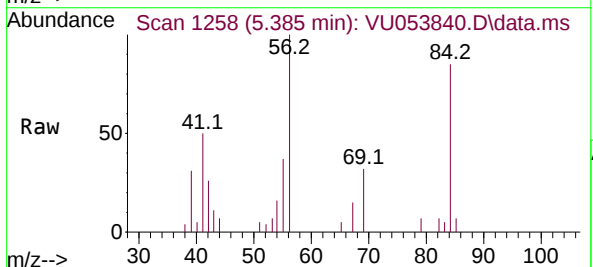
Tgt Ion: 56 Resp: 5811

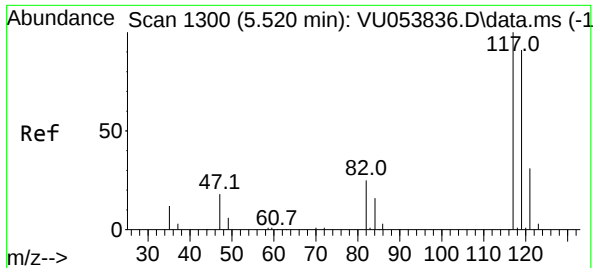
Ion Ratio Lower Upper

56 100

69 31.6 27.0 40.4

84 91.9 78.0 117.0

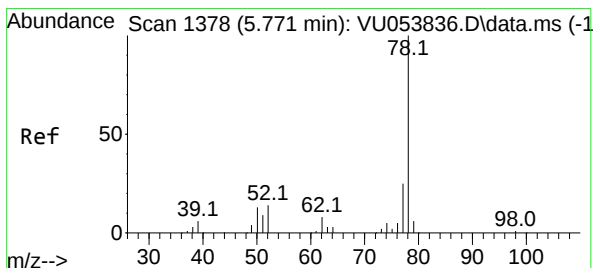
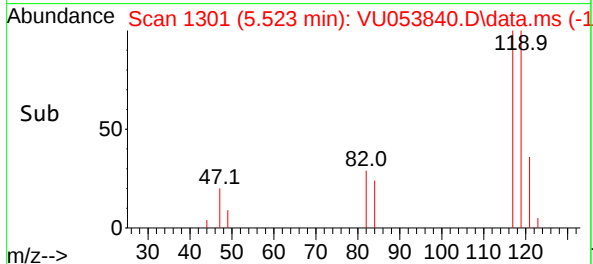
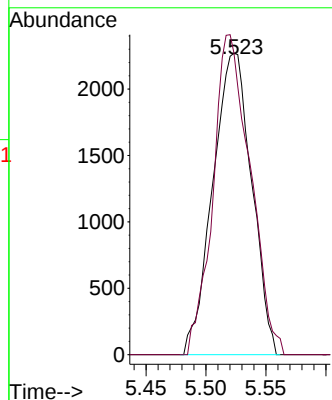
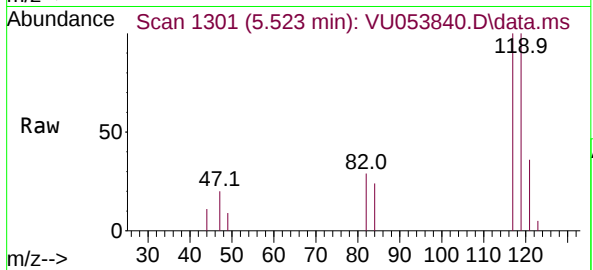




#31
Carbon tetrachloride
Concen: 0.452 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

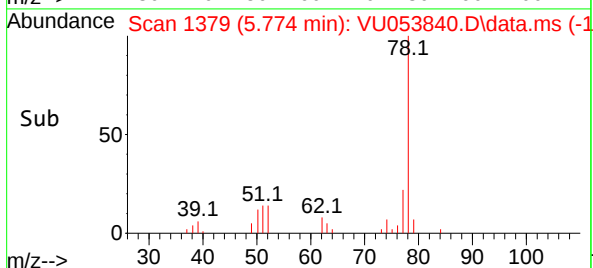
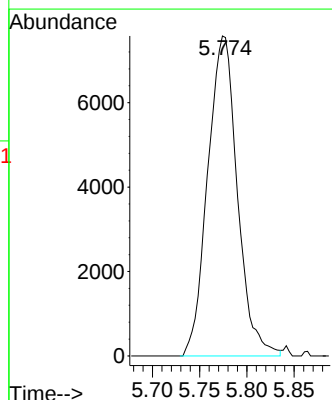
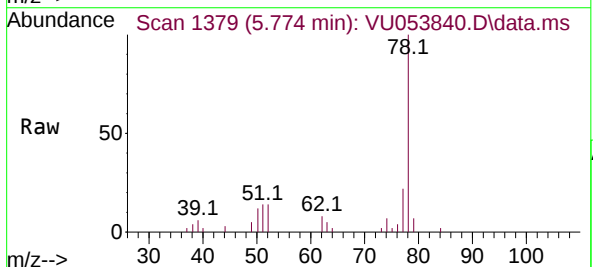
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

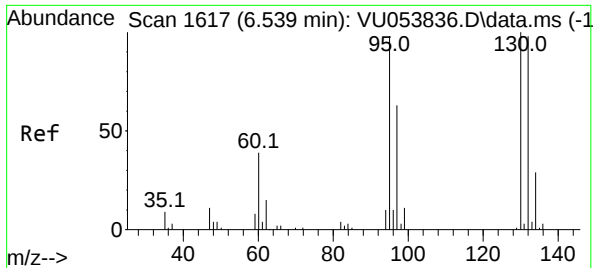
Tgt Ion:117 Resp: 5122
Ion Ratio Lower Upper
117 100
119 101.5 75.0 112.6



#33
Benzene
Concen: 0.468 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion: 78 Resp: 16544



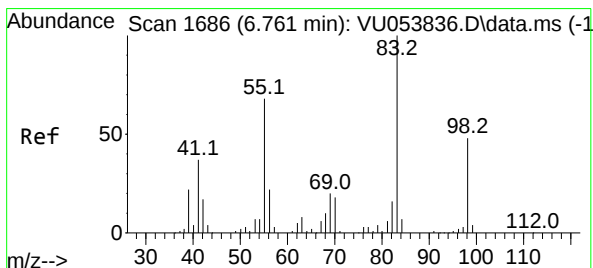
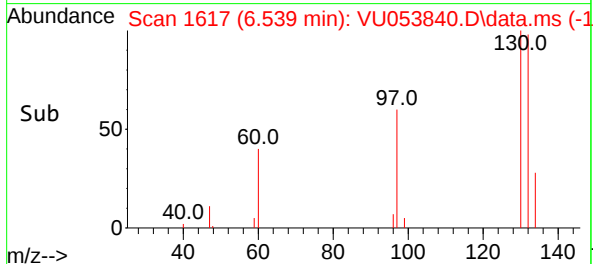
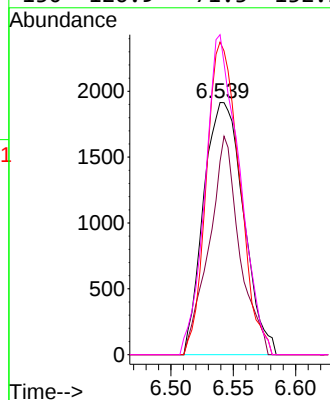
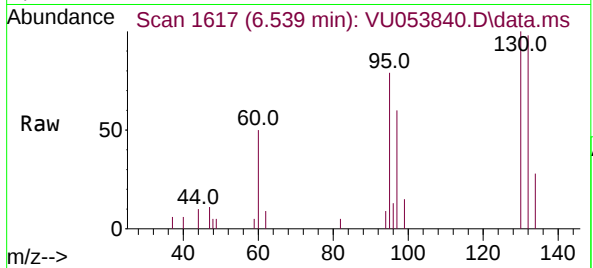


#34
Trichloroethene
Concen: 0.450 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

Tgt Ion: 95 Resp: 4251

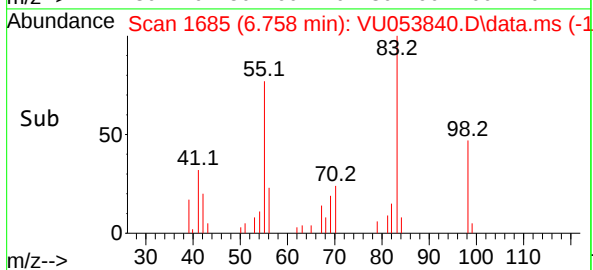
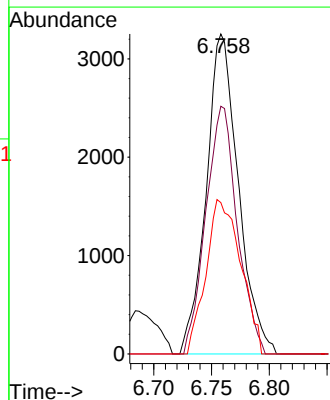
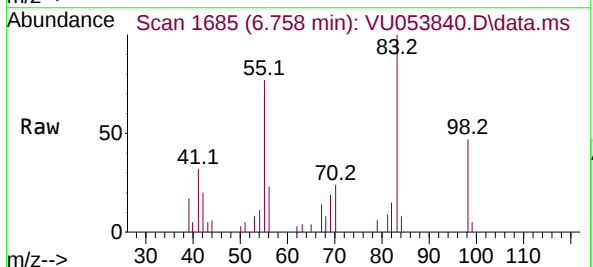
Ion	Ratio	Lower	Upper
95	100		
97	76.7	45.1	83.9
132	124.0	69.9	129.9
130	126.9	71.3	132.3

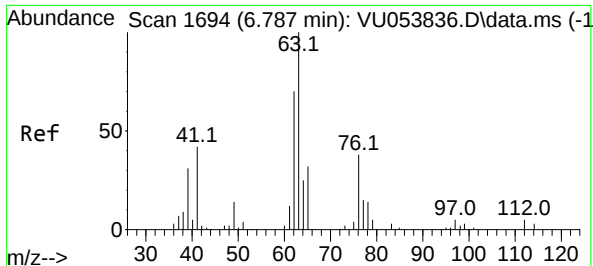


#35
Methylcyclohexane
Concen: 0.398 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion: 83 Resp: 6297

Ion	Ratio	Lower	Upper
83	100		
55	75.8	55.4	83.2
98	52.2	37.3	55.9





#37

1,2-Dichloropropane

Concen: 0.413 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

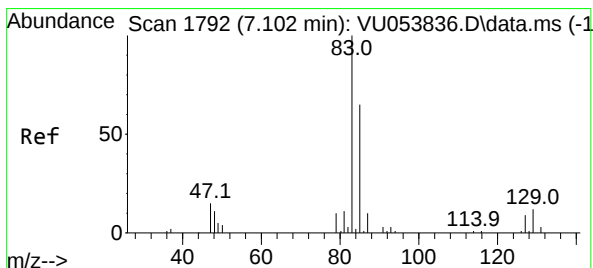
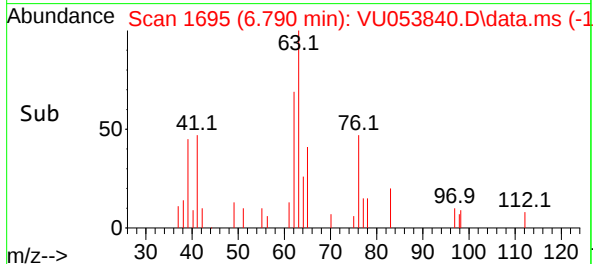
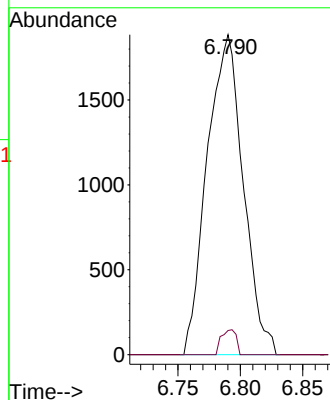
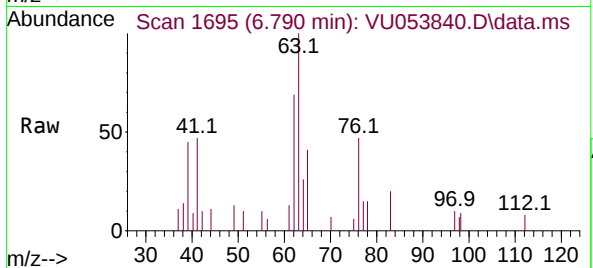
VSTD0.5024

Tgt Ion: 63 Resp: 3798

Ion Ratio Lower Upper

63 100

112 3.2 3.5 5.3#



#38

Bromodichloromethane

Concen: 0.459 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

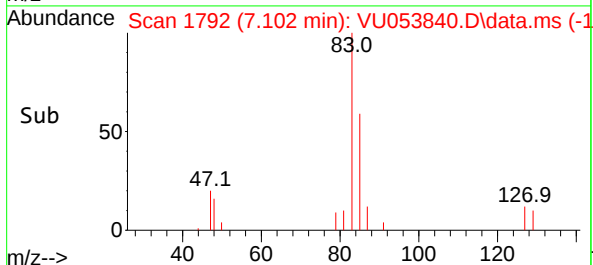
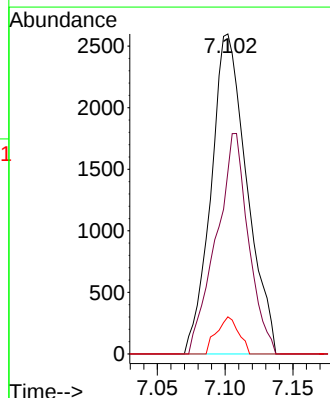
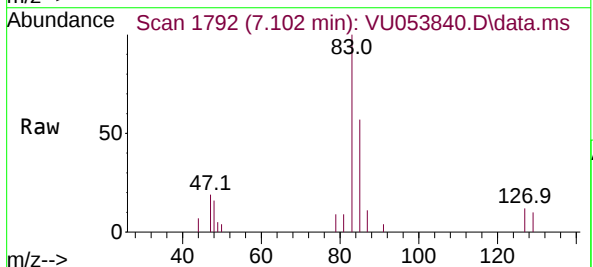
Tgt Ion: 83 Resp: 4776

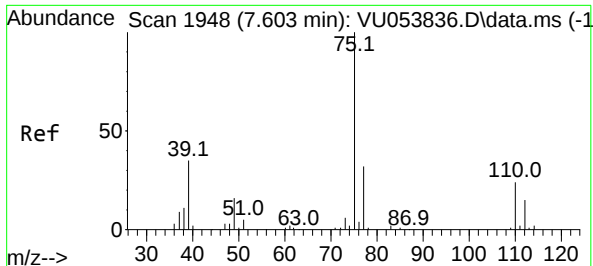
Ion Ratio Lower Upper

83 100

85 56.9 45.2 84.0

127 11.6 7.3 10.9#





#39

cis-1,3-Dichloropropene

Concen: 0.439 ug/L

RT: 7.610 min Scan# 1948

Delta R.T. 0.007 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

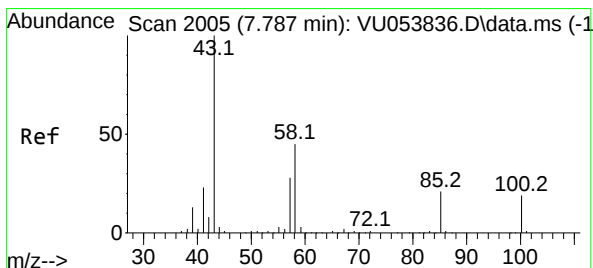
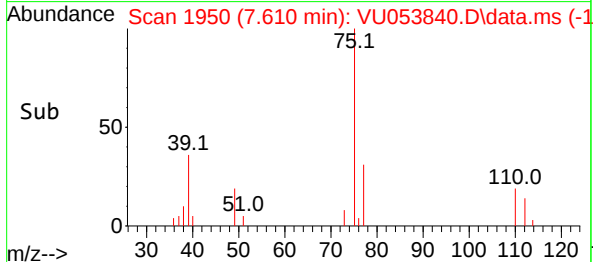
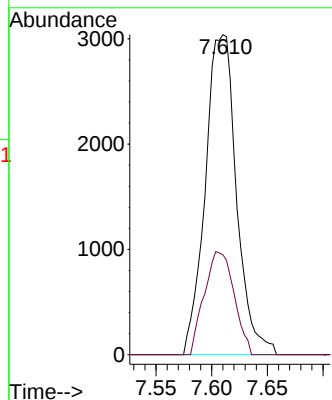
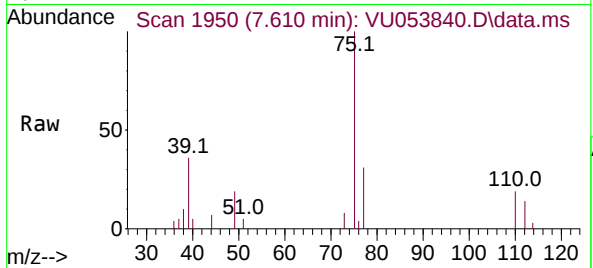
VSTD0.5024

Tgt Ion: 75 Resp: 5930

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 4.155 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

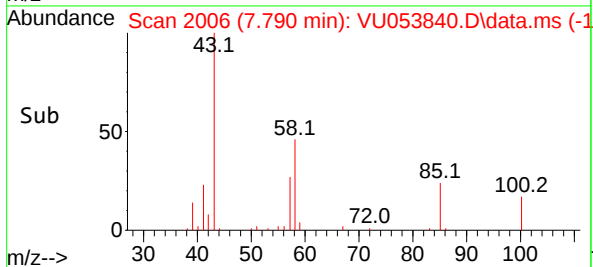
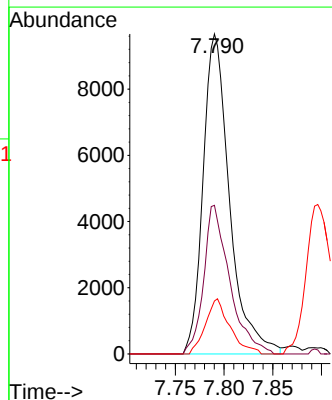
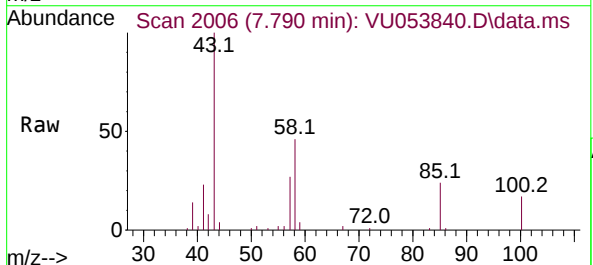
Tgt Ion: 43 Resp: 18229

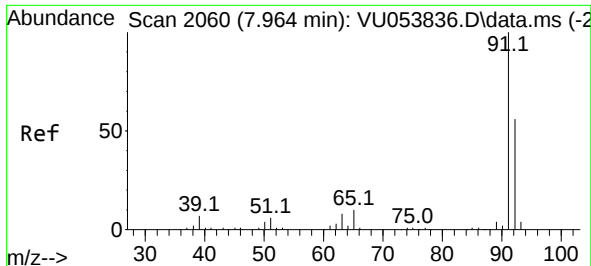
Ion Ratio Lower Upper

43 100

58 45.7 36.0 54.0

100 15.9 15.1 22.7





#42

Toluene

Concen: 0.435 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

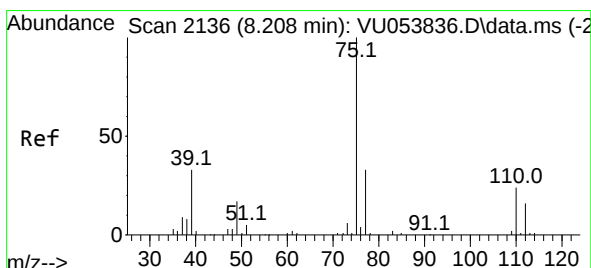
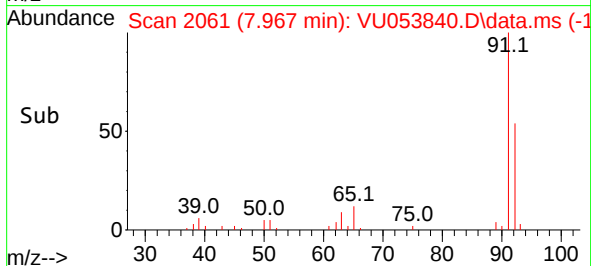
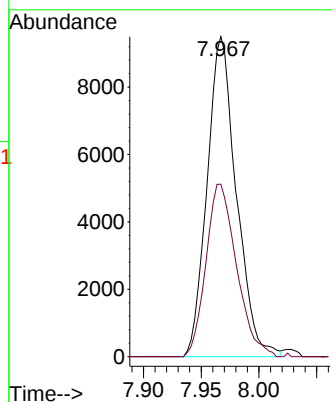
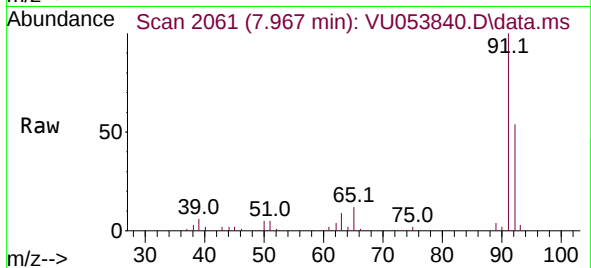
VSTD0.5024

Tgt Ion: 91 Resp: 16729

Ion Ratio Lower Upper

91 100

92 53.9 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 0.439 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.007 min

Lab File: VU053840.D

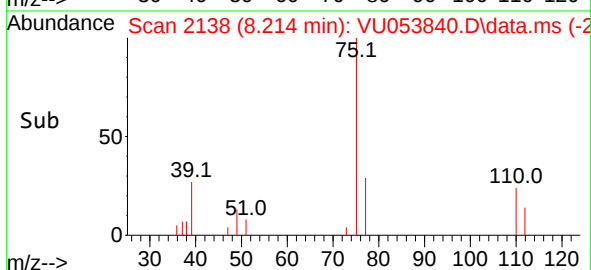
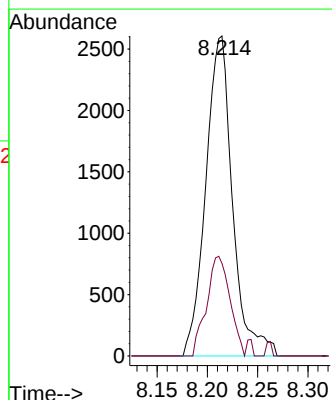
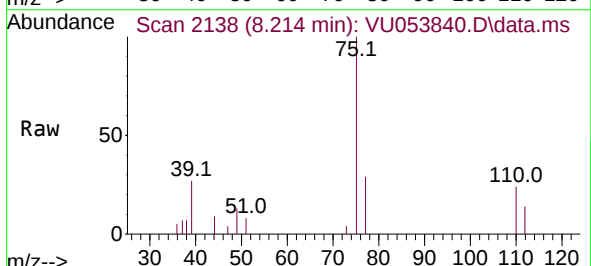
Acq: 24 Apr 2023 13:27

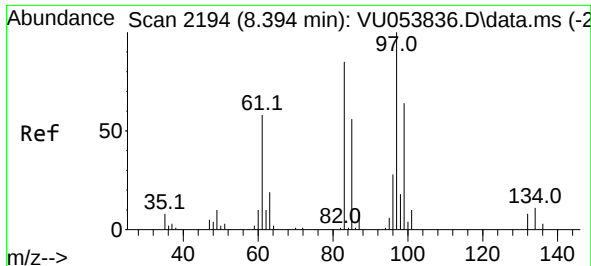
Tgt Ion: 75 Resp: 4826

Ion Ratio Lower Upper

75 100

77 29.0 23.3 43.3



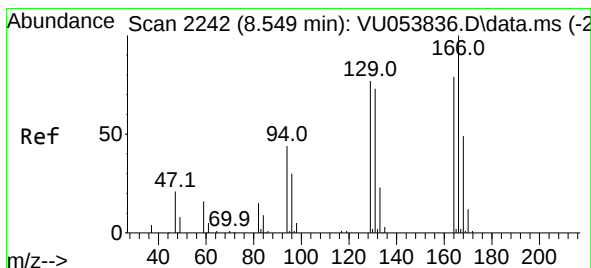
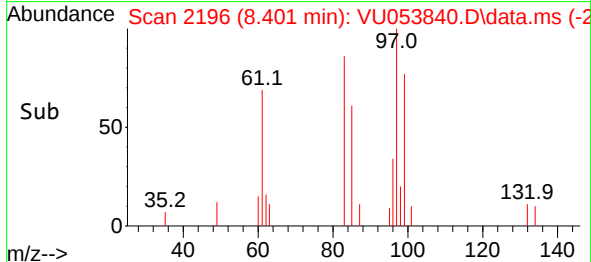
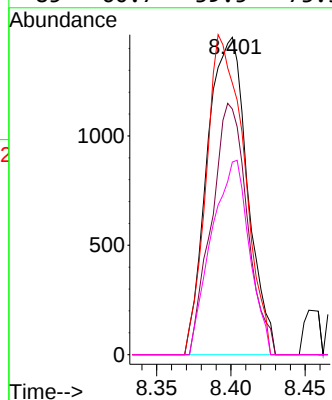
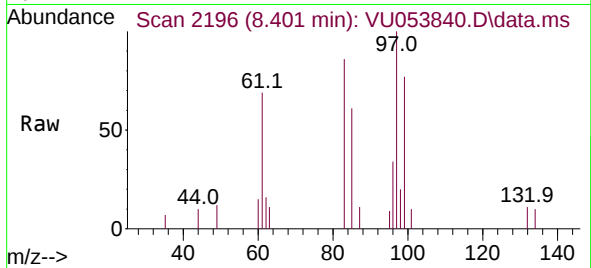


#45
1,1,2-Trichloroethane
Concen: 0.414 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.007 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

Tgt Ion: 97 Resp: 2733

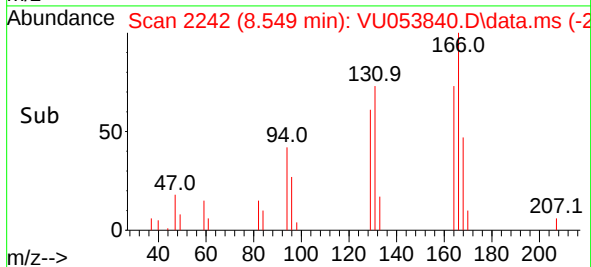
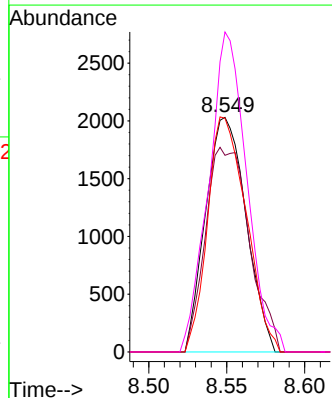
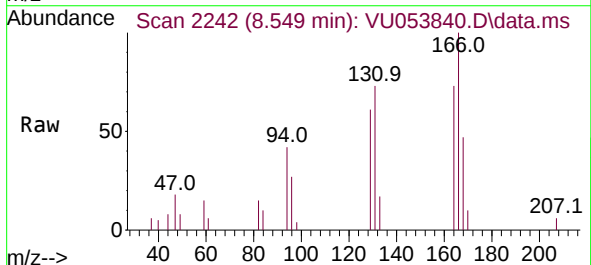
Ion	Ratio	Lower	Upper
97	100		
99	77.4	44.7	83.1
83	85.5	59.8	111.1
85	60.7	39.5	73.3

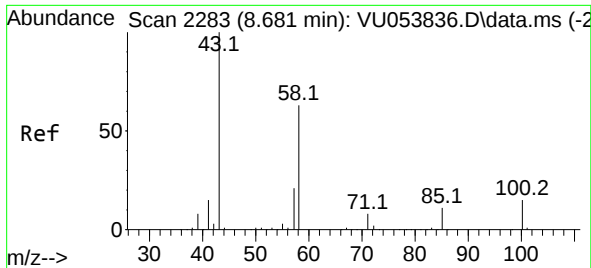


#47
Tetrachloroethene
Concen: 0.518 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion: 164 Resp: 3662

Ion	Ratio	Lower	Upper
164	100		
129	83.8	68.3	126.8
131	99.7	64.4	119.6
166	136.4	88.3	163.9

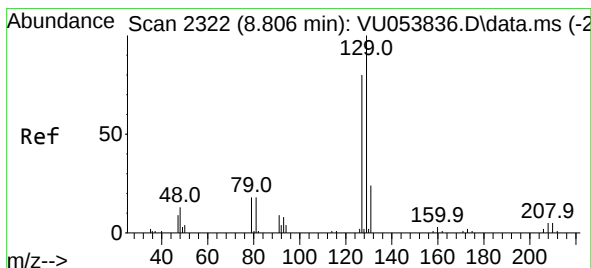
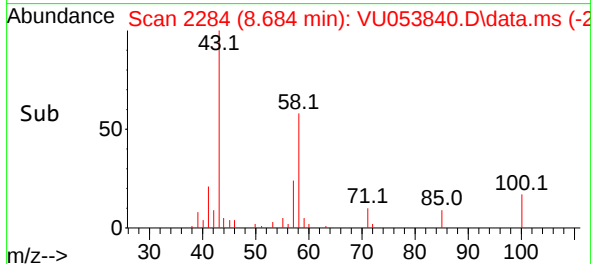
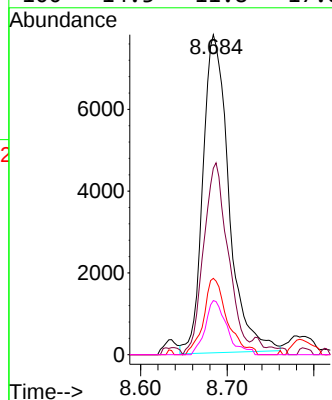
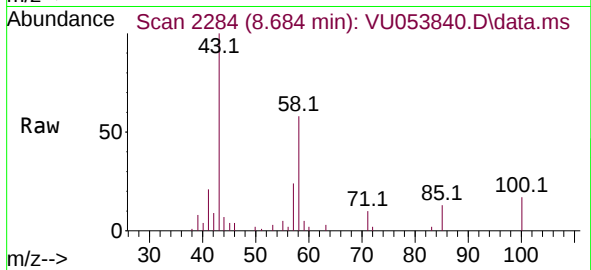




#48
2-Hexanone
Concen: 5.036 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

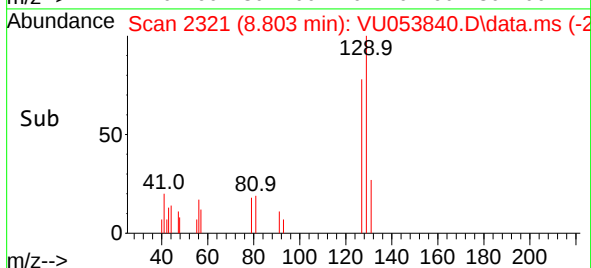
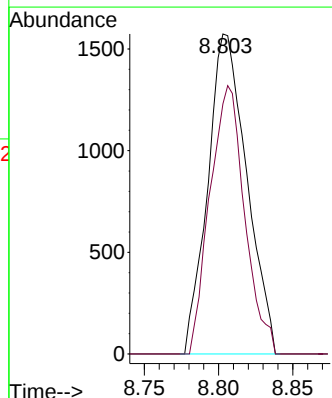
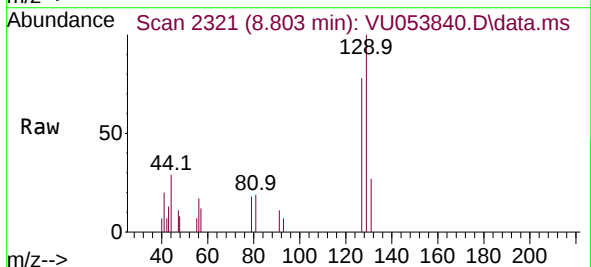
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

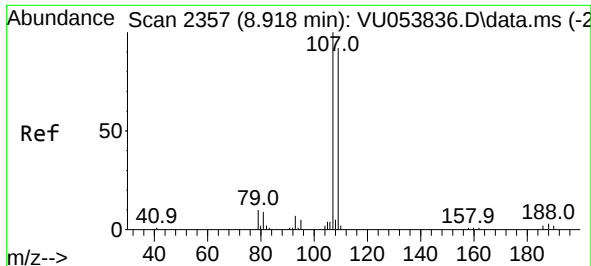
Tgt Ion: 43	Resp: 16235
Ion Ratio	Lower Upper
43 100	
58 56.7	49.8 74.6
57 21.8	16.9 25.3
100 14.3	11.8 17.8



#49
Dibromochloromethane
Concen: 0.435 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion:129	Resp:	2874	
Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.7	103.5

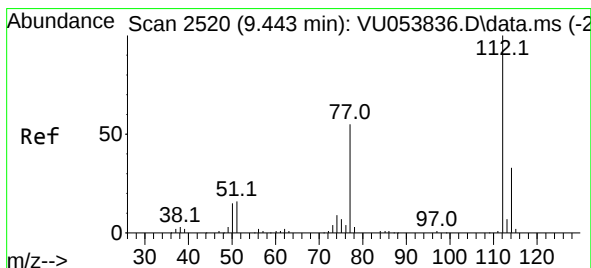
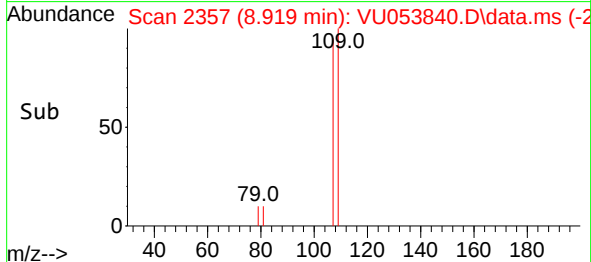
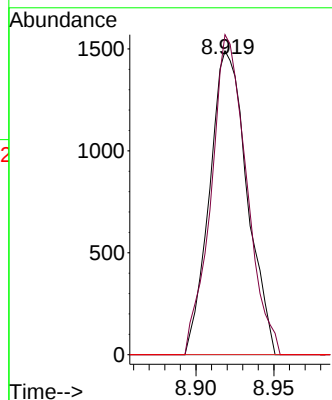
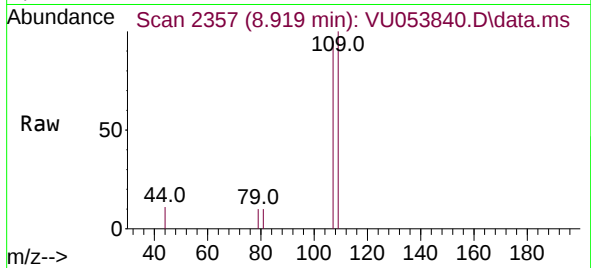




#50
1,2-Dibromoethane
Concen: 0.396 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

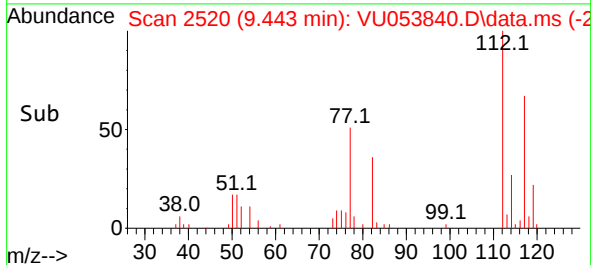
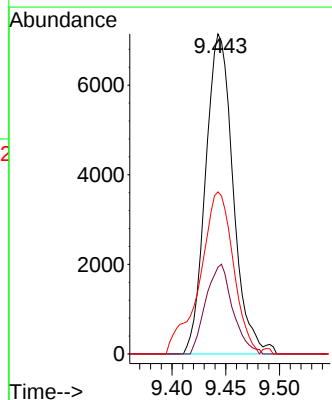
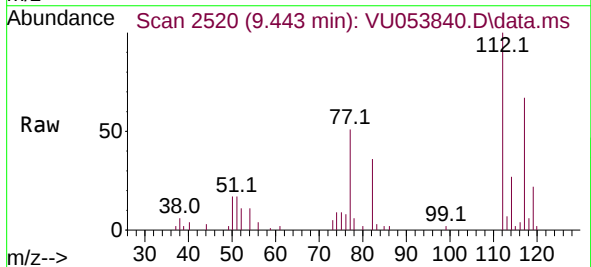
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

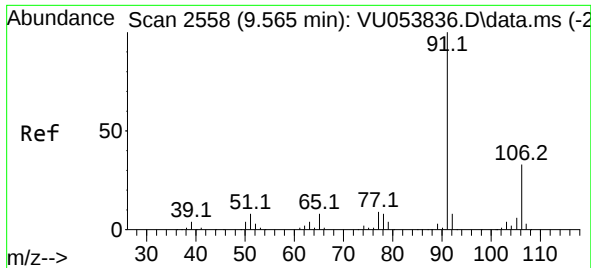
Tgt Ion:107 Resp: 2497
Ion Ratio Lower Upper
107 100
109 105.3 64.3 119.5
188 0.0 2.1 3.1#



#51
Chlorobenzene
Concen: 0.524 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion:112 Resp: 12730
Ion Ratio Lower Upper
112 100
114 27.1 23.0 42.6
77 50.6 44.4 66.6

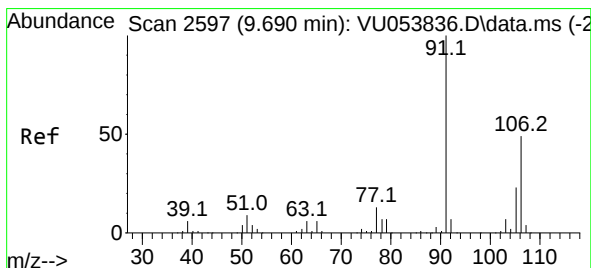
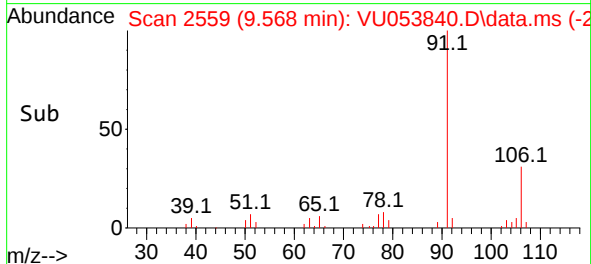
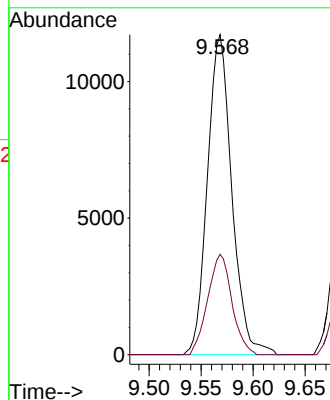
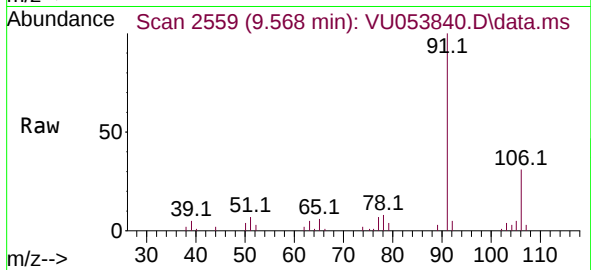




#52
Ethylbenzene
Concen: 0.458 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

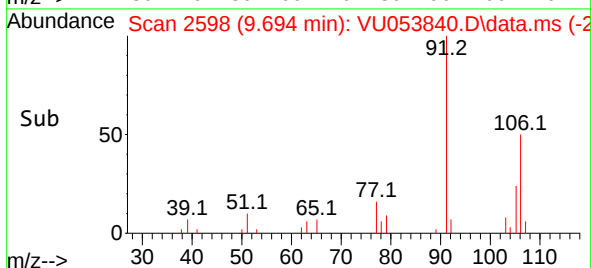
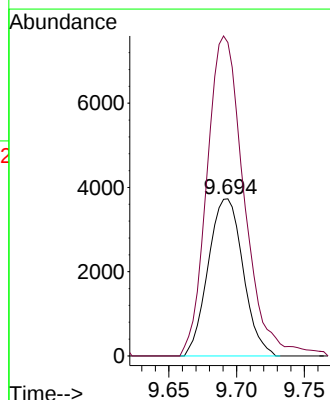
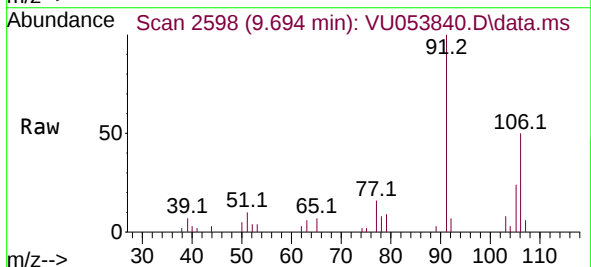
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

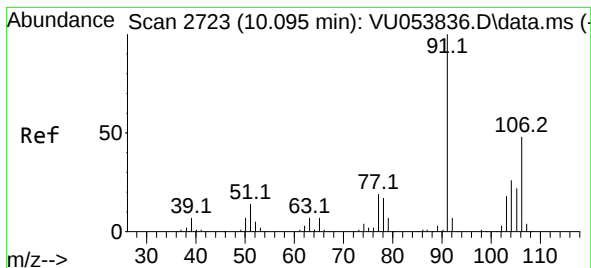
Tgt Ion: 91 Resp: 19110
Ion Ratio Lower Upper
91 100
106 31.3 22.8 42.4



#53
m,p-Xylene
Concen: 0.420 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion: 106 Resp: 6677
Ion Ratio Lower Upper
106 100
91 199.5 142.2 264.0





#54

o-Xylene

Concen: 0.425 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

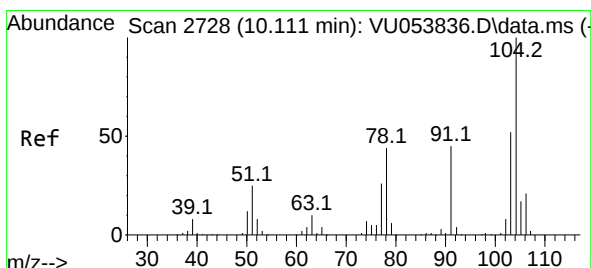
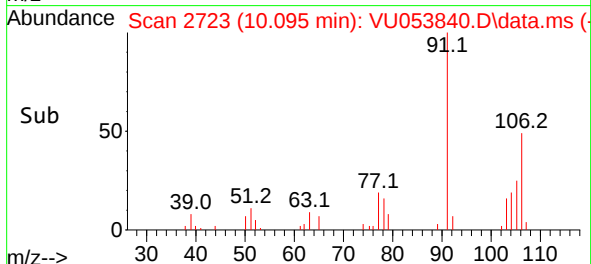
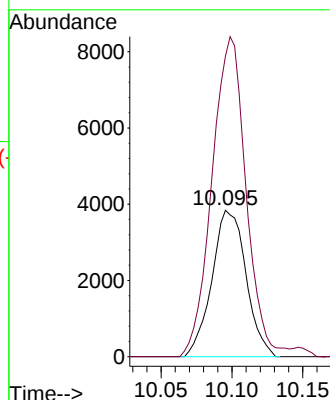
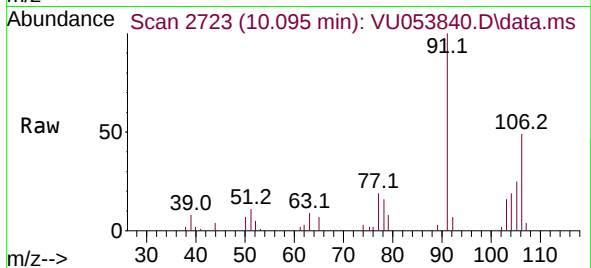
VSTD0.5024

Tgt Ion:106 Resp: 6435

Ion Ratio Lower Upper

106 100

91 205.5 145.5 270.1



#55

Styrene

Concen: 0.415 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU053840.D

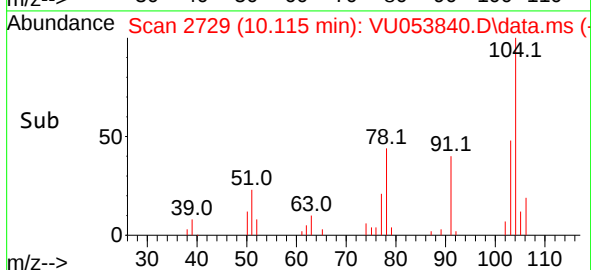
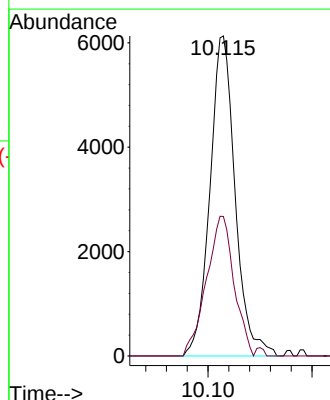
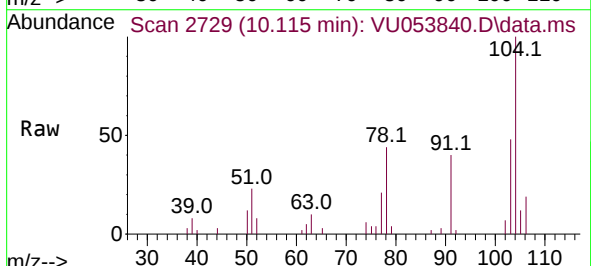
Acq: 24 Apr 2023 13:27

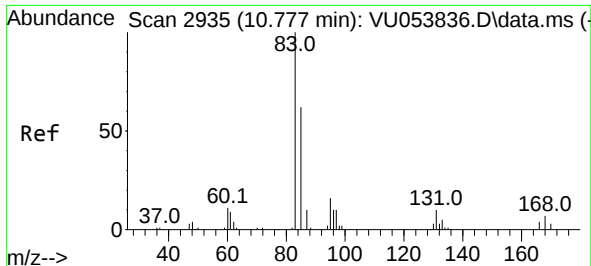
Tgt Ion:104 Resp: 10327

Ion Ratio Lower Upper

104 100

78 43.6 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.474 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5024

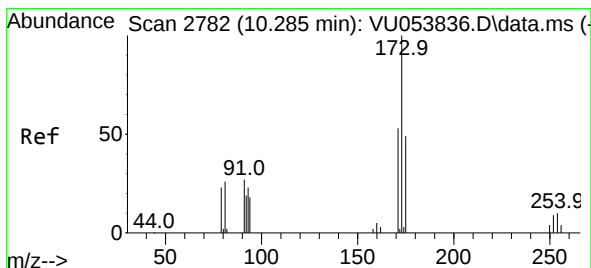
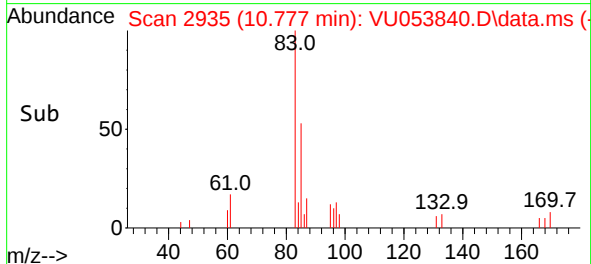
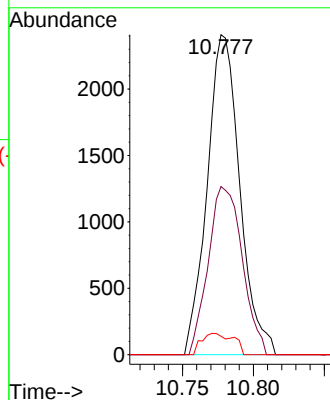
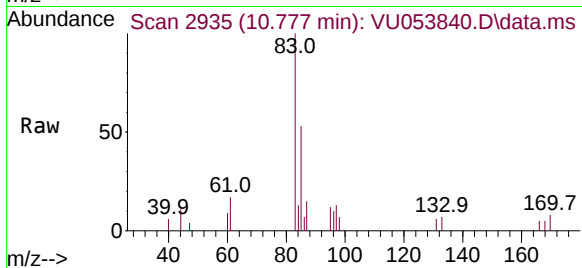
Tgt Ion: 83 Resp: 3854

Ion Ratio Lower Upper

83 100

85 52.6 43.5 80.9

131 5.8 7.8 11.6#



#59

Bromoform

Concen: 0.471 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

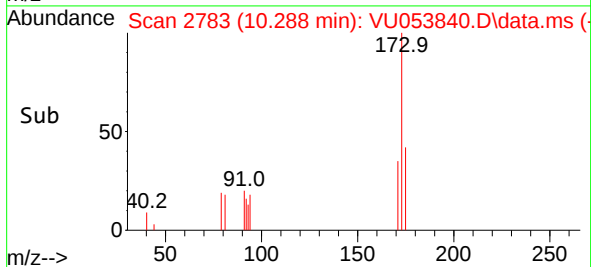
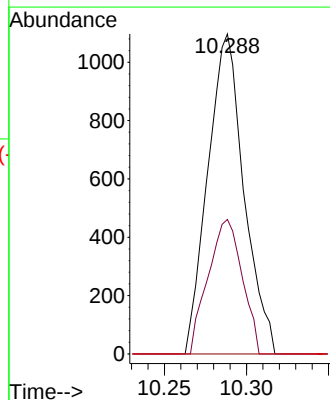
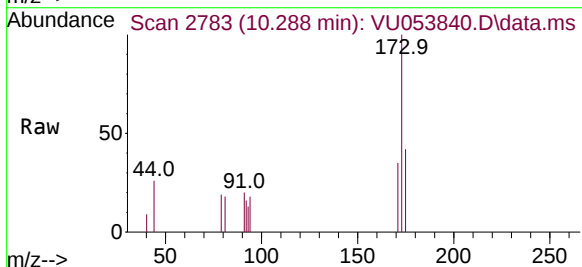
Tgt Ion:173 Resp: 1674

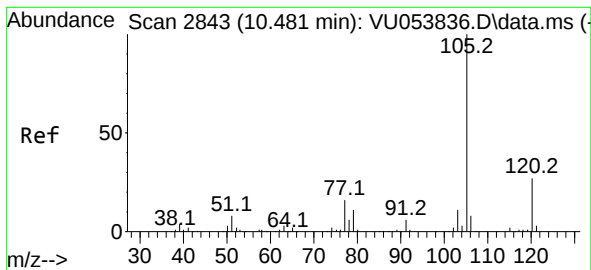
Ion Ratio Lower Upper

173 100

175 39.7 37.4 56.2

254 0.0 7.1 10.7#





#60

Isopropylbenzene

Concen: 0.424 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5024

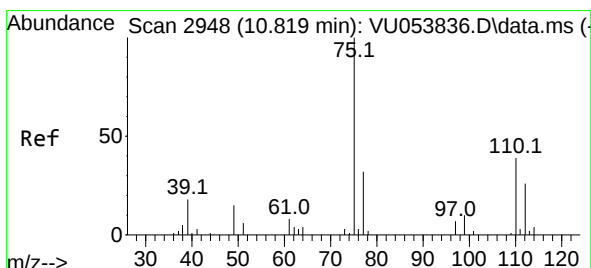
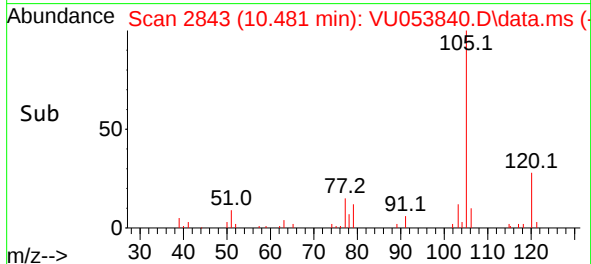
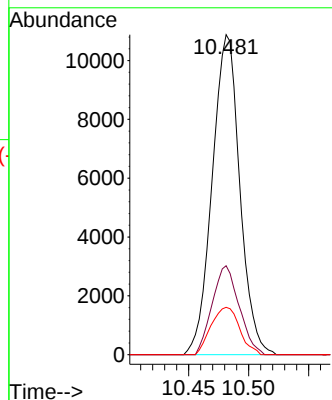
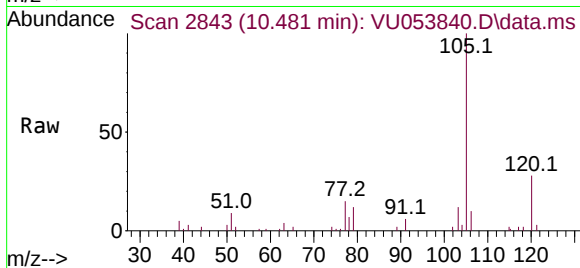
Tgt Ion:105 Resp: 17381

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

77 15.3 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 0.445 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

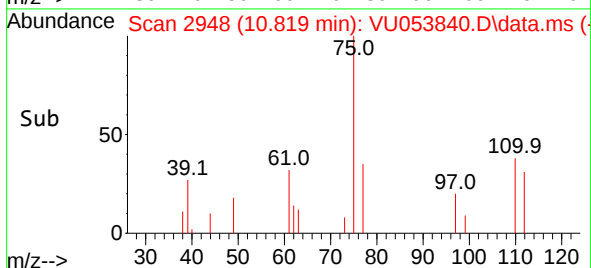
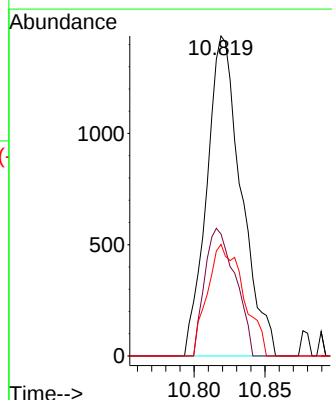
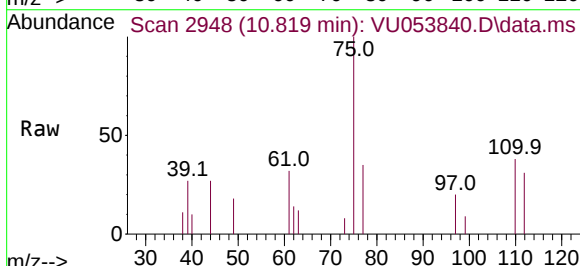
Tgt Ion: 75 Resp: 2435

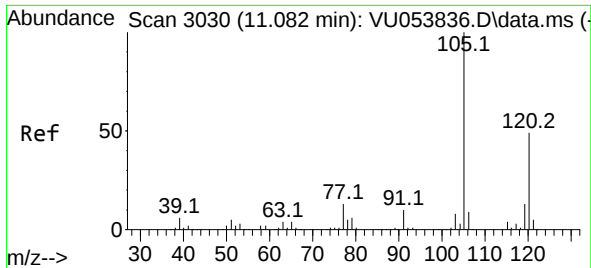
Ion Ratio Lower Upper

75 100

110 35.4 30.7 46.1

77 36.2 26.2 39.4

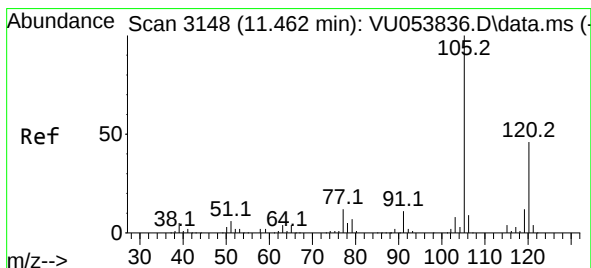
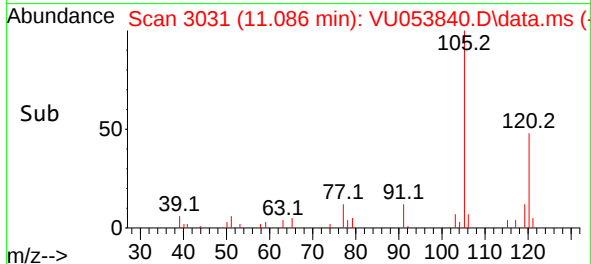
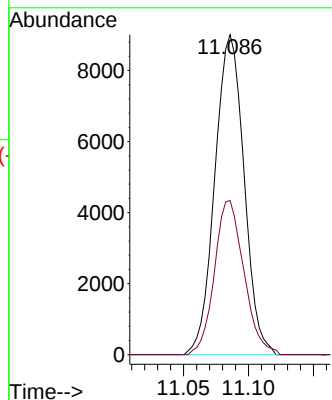
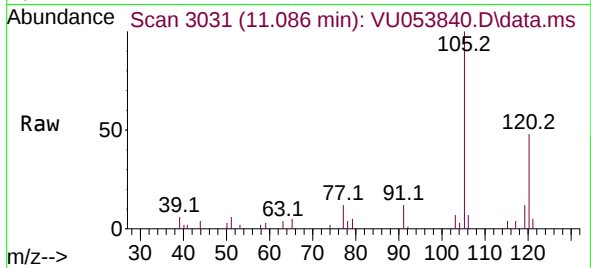




#62
1,3,5-Trimethylbenzene
Concen: 0.426 ug/L
RT: 11.086 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

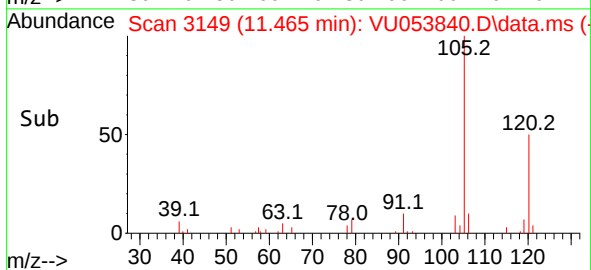
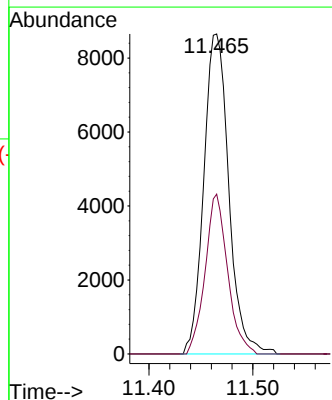
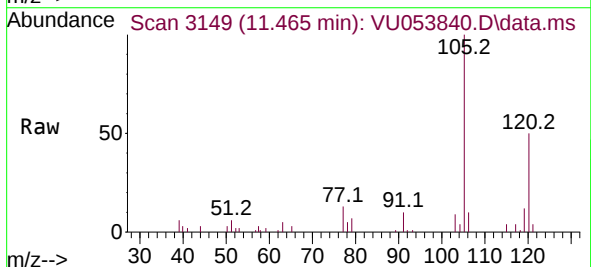
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

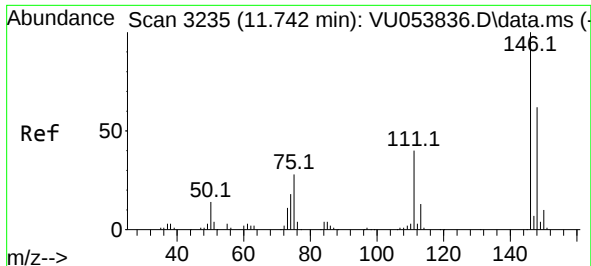
Tgt Ion:105 Resp: 14070
Ion Ratio Lower Upper
105 100
120 48.6 39.3 58.9



#63
1,2,4-Trimethylbenzene
Concen: 0.428 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion:105 Resp: 14451
Ion Ratio Lower Upper
105 100
120 44.8 37.1 55.7

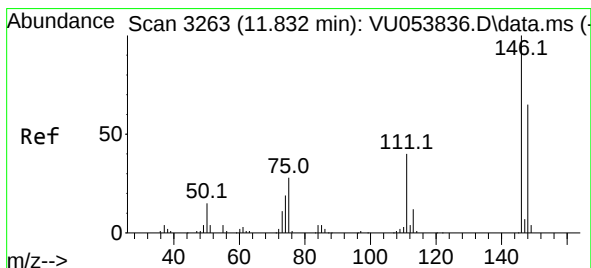
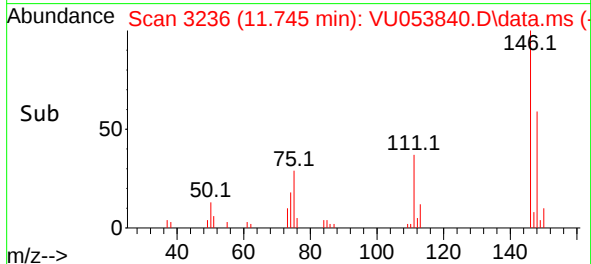
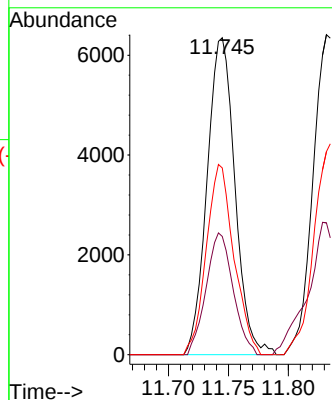
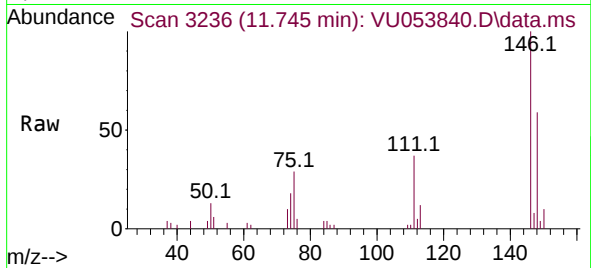




#64
1,3-Dichlorobenzene
Concen: 0.557 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

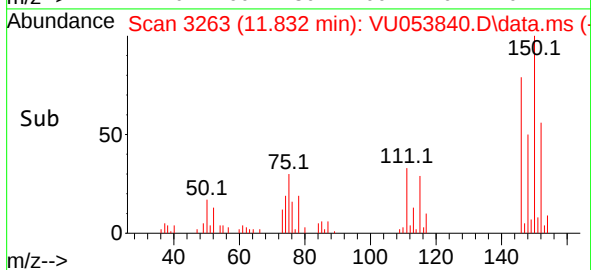
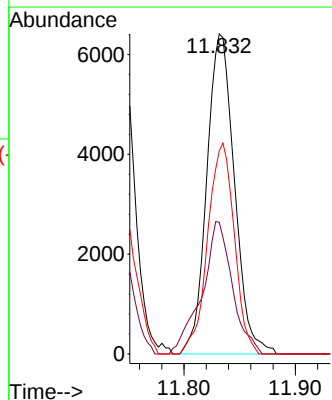
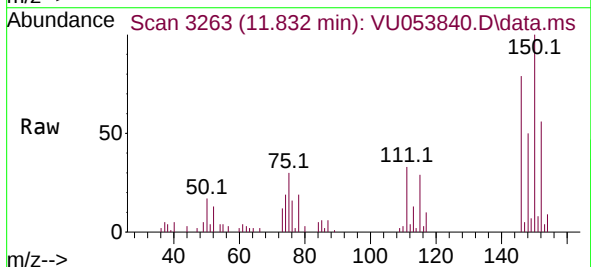
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5024

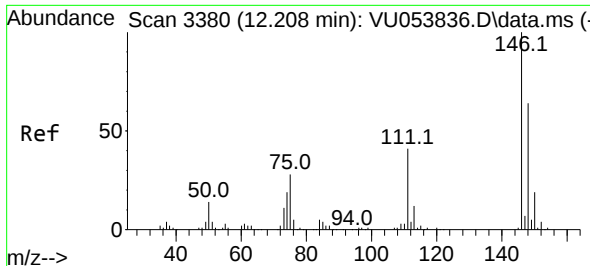
Tgt Ion:146 Resp: 10242
Ion Ratio Lower Upper
146 100
111 37.3 27.9 51.9
148 58.9 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 0.602 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053840.D
Acq: 24 Apr 2023 13:27

Tgt Ion:146 Resp: 11085
Ion Ratio Lower Upper
146 100
111 41.2 28.3 52.7
148 63.5 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 0.552 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5024

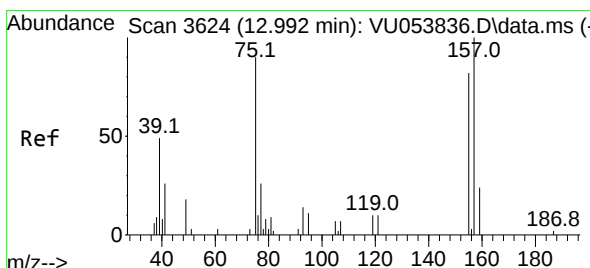
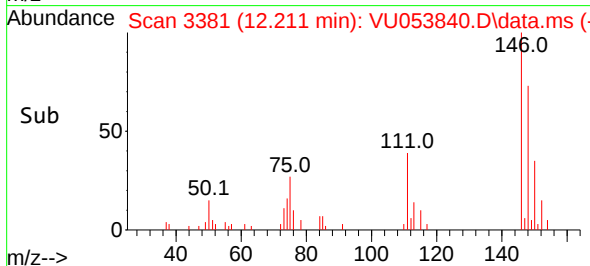
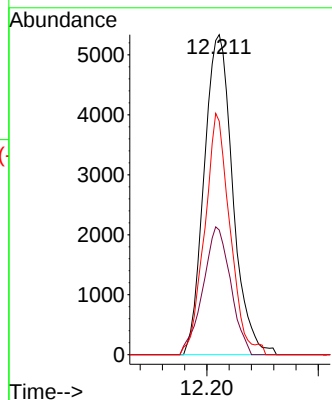
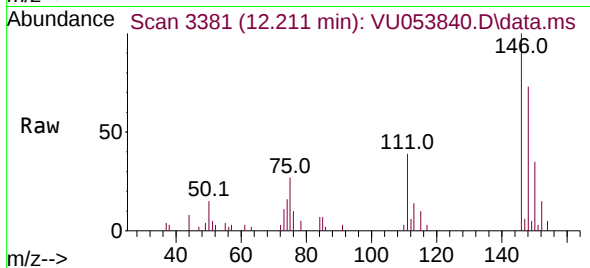
Tgt Ion:146 Resp: 9526

Ion Ratio Lower Upper

146 100

111 39.0 32.6 49.0

148 72.9 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.444 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.007 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

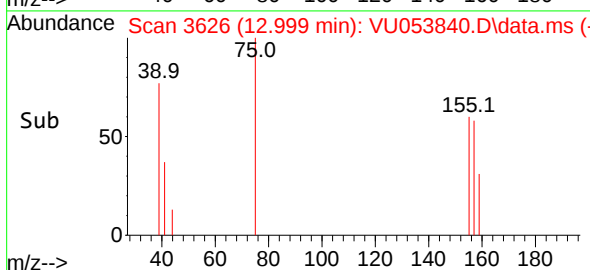
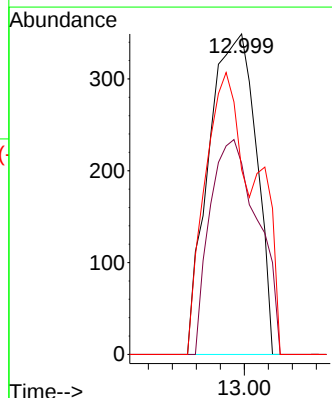
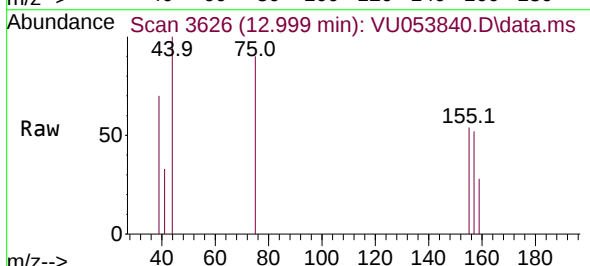
Tgt Ion: 75 Resp: 478

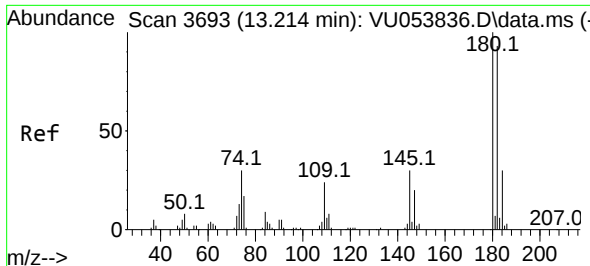
Ion Ratio Lower Upper

75 100

155 59.6 72.8 109.2#

157 57.6 89.1 133.7#

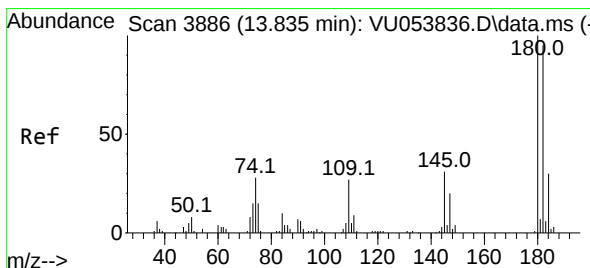
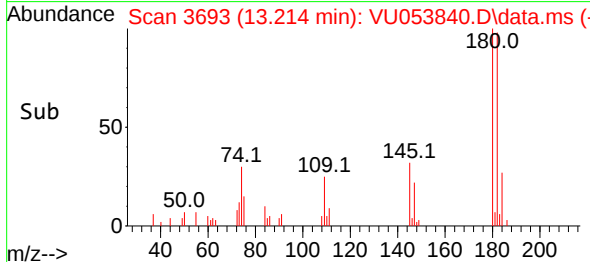
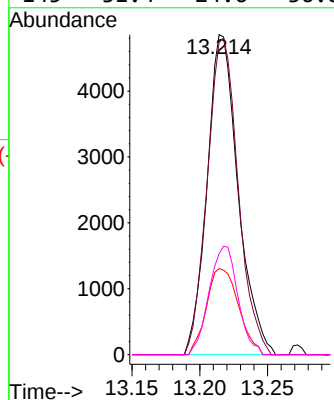
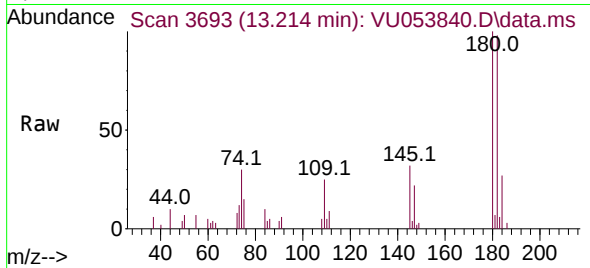




#69
 1,3,5-Trichlorobenzene
 Concen: 0.600 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

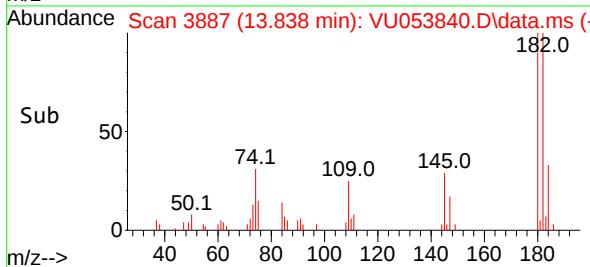
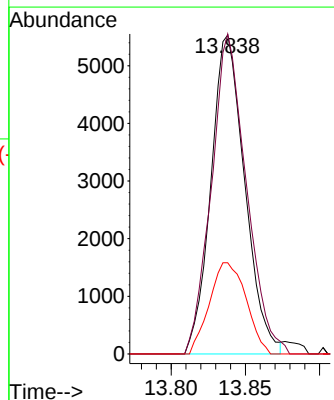
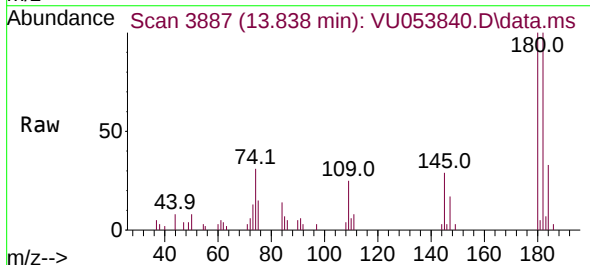
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5024

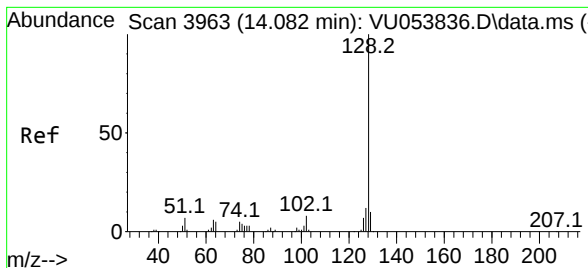
Tgt Ion:180	Resp:	7732
Ion	Ratio	Lower Upper
180	100	
182	98.2	75.1 112.7
184	27.8	24.2 36.2
145	31.4	24.6 36.8



#70
 1,2,4-trichlorobenzene
 Concen: 0.857 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053840.D
 Acq: 24 Apr 2023 13:27

Tgt Ion:180	Resp:	8755
Ion	Ratio	Lower Upper
180	100	
182	103.5	75.5 113.3
145	30.9	25.8 38.6





#71

Naphthalene

Concen: 0.962 ug/L

RT: 14.086 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5024

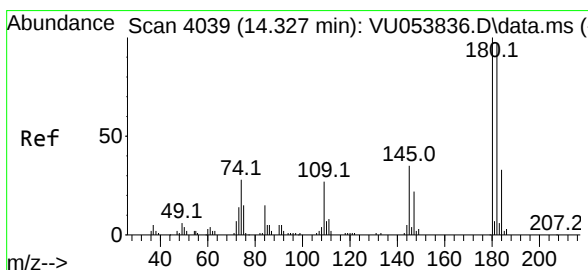
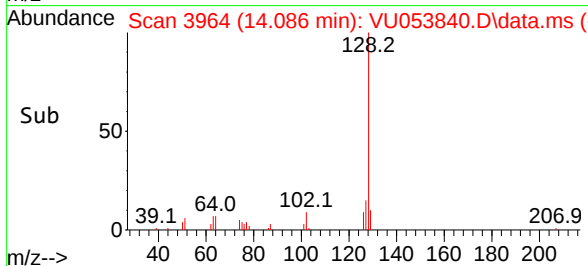
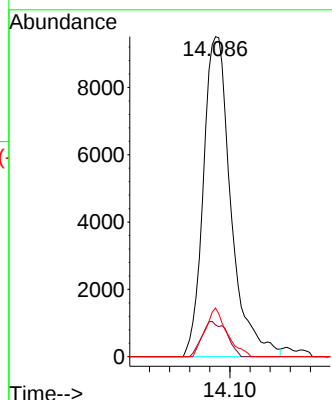
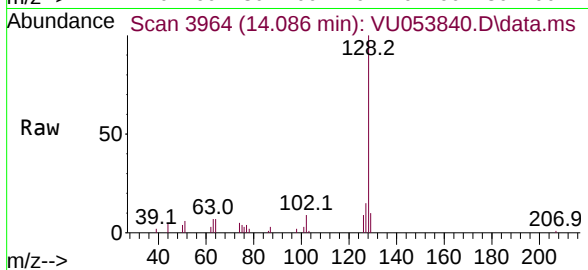
Tgt Ion:128 Resp: 18107

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

127 11.9 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 0.937 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU053840.D

Acq: 24 Apr 2023 13:27

Tgt Ion:180 Resp: 8360

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 34.6 26.8 40.2

