

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122921\
 Data File : VU046640.D
 Acq On : 29 Dec 2021 21:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Quant Time: Dec 30 04:25:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 30 04:21:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	69846	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	74765	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	42999	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	831	0.151	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	3.000%#
7) Chloroethane-d5	1.919	69	381	0.088	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	1.800%#
11) 1,1-Dichloroethene-d2	2.575	65	184	0.079	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1.600%#
20) 2-Butanone-d5	4.668	46	1471	0.922	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	1.840%#
24) Chloroform-d	5.086	84	3642	0.361	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	7.200%#
26) 1,2-Dichloroethane-d4	5.713	65	657	0.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	2.200%#
32) Benzene-d6	5.732	84	1921	0.092	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	1.800%#
36) 1,2-Dichloropropane-d6	6.694	67	564	0.090	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	1.800%#
41) Toluene-d8	7.899	98	2247	0.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	2.400%#
43) trans-1,3-Dichloroprop...	8.182	79	368	0.127	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	2.600%#
46) 2-Hexanone-d5	8.636	63	1208	0.710	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	1.420%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	597	0.093	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	1.800%#
66) 1,2-Dichlorobenzene-d4	12.195	152	1103	0.139	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	2.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	43727	4.091	ug/L	99
3) Chloromethane	1.523	50	30866	3.353	ug/L	94
5) Vinyl chloride	1.607	62	34815	3.842	ug/L	99
6) Bromomethane	1.864	94	15229	2.792	ug/L	97
8) Chloroethane	1.941	64	21524	4.046	ug/L	97
9) Trichlorofluoromethane	2.144	101	54418	4.591	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	29898	4.955	ug/L	94
12) 1,1-Dichloroethene	2.584	96	27081	4.408	ug/L #	61
13) Acetone	2.671	43	66432	44.401	ug/L	95
14) Carbon disulfide	2.800	76	68033	3.390	ug/L	99
15) Methyl Acetate	2.964	43	13886	4.595	ug/L	99
16) Methylene chloride	3.051	84	34378	4.598	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	76205	4.252	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	27761	4.235	ug/L	99
19) 1,1-Dichloroethane	3.877	63	58717	4.863	ug/L	98
21) 2-Butanone	4.726	43	107369	47.300	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	31844	4.445	ug/L	99
23) Bromochloromethane	4.980	128	15877	4.453	ug/L	93
25) Chloroform	5.092	83	63196	4.845	ug/L	98

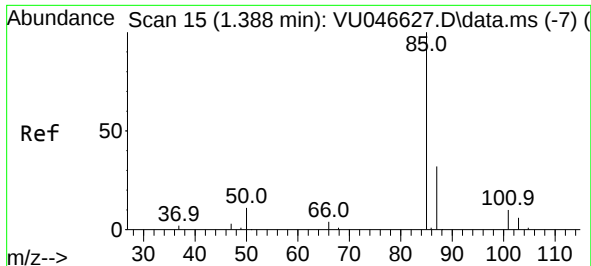
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122921\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	42455	4.559	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	56228	4.548	ug/L	98
30) Cyclohexane	5.395	56	37629	3.679	ug/L	98
31) Carbon tetrachloride	5.530	117	49584	4.780	ug/L	98
33) Benzene	5.777	78	120893	4.070	ug/L	100
34) Trichloroethene	6.546	95	32315	4.127	ug/L	97
35) Methylcyclohexane	6.768	83	40145	3.636	ug/L	98
37) 1,2-Dichloropropane	6.793	63	35418	4.674	ug/L	99
38) Bromodichloromethane	7.108	83	50790	4.842	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	46420	4.047	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	243412	42.794	ug/L	98
42) Toluene	7.970	91	132284	4.338	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	44151	4.154	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	28206	4.316	ug/L	98
47) Tetrachloroethene	8.555	164	23267	4.199	ug/L	99
48) 2-Hexanone	8.687	43	175123	41.226	ug/L	99
49) Dibromochloromethane	8.812	129	37028	4.912	ug/L	99
50) 1,2-Dibromoethane	8.925	107	26316	4.172	ug/L	98
51) Chlorobenzene	9.449	112	86918	4.460	ug/L	99
52) Ethylbenzene	9.571	91	140138	4.440	ug/L	98
53) m,p-Xylene	9.697	106	56375	4.663	ug/L	100
54) o-Xylene	10.102	106	53724	4.624	ug/L	99
55) Styrene	10.115	104	100496	4.987	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	38339	4.490	ug/L	96
59) Bromoform	10.292	173	22312	4.491	ug/L	100
60) Isopropylbenzene	10.488	105	145261	4.380	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	28723	4.022	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	113408	4.112	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	120652	4.344	ug/L	97
64) 1,3-Dichlorobenzene	11.748	146	72527	4.499	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	74427	4.510	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	67760	4.191	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	7282	4.405	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	55357	4.538	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	45510	4.404	ug/L	99
71) Naphthalene	14.089	128	88907	3.874	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	46961	4.590	ug/L	98

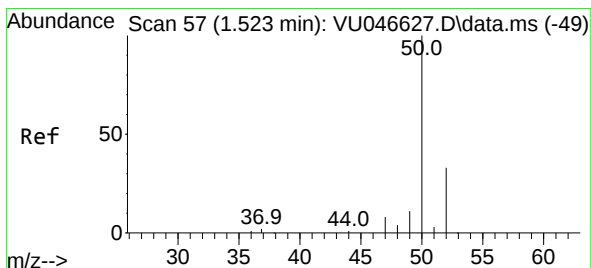
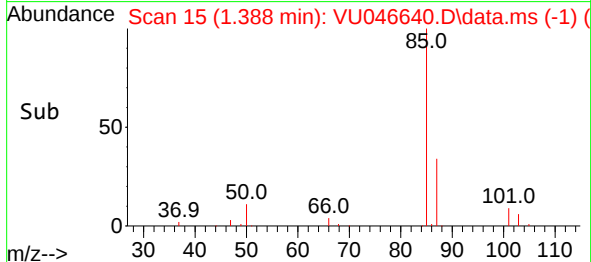
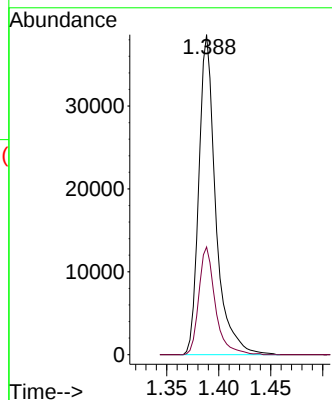
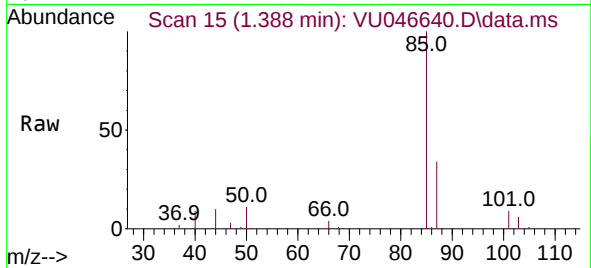
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#2
Dichlorodifluoromethane
Concen: 4.091 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

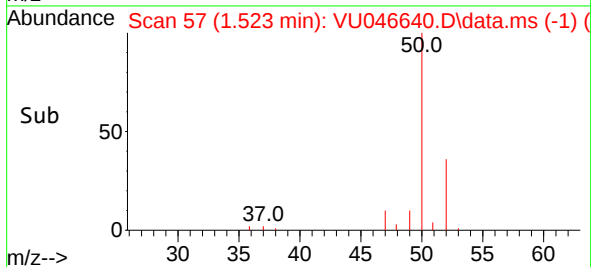
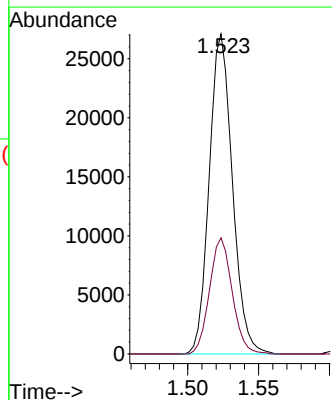
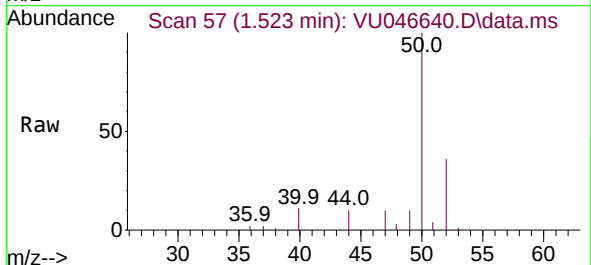
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

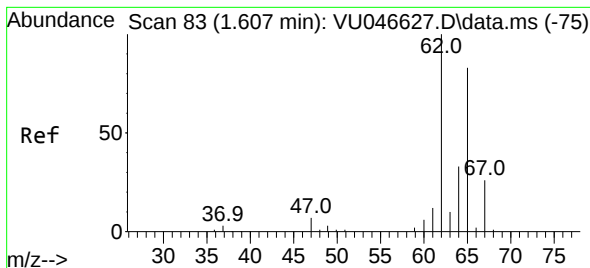
Tgt Ion: 85 Resp: 43727
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.6



#3
Chloromethane
Concen: 3.353 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion: 50 Resp: 30866
Ion Ratio Lower Upper
50 100
52 36.3 23.0 42.8





#5

Vinyl chloride

Concen: 3.842 ug/L

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

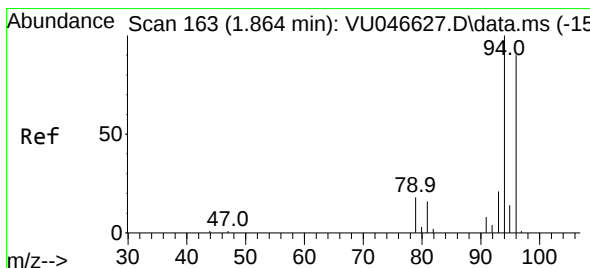
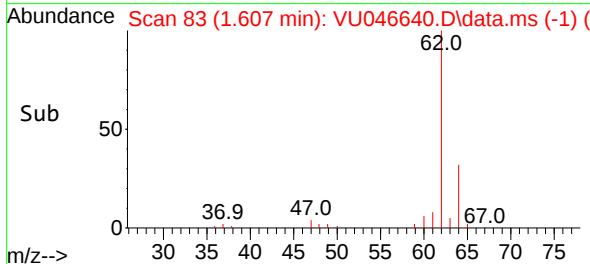
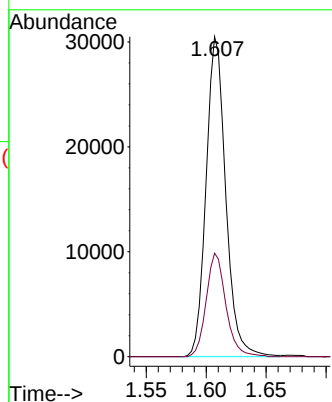
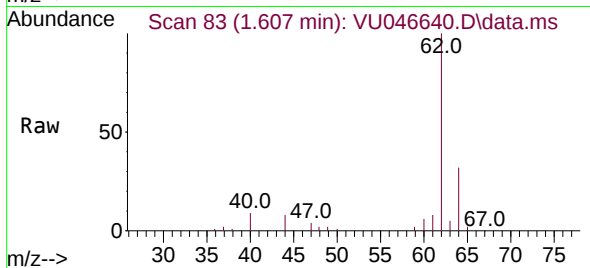
VSTDIC0.5

Tgt Ion: 62 Resp: 34815

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#6

Bromomethane

Concen: 2.792 ug/L

RT: 1.864 min Scan# 163

Delta R.T. -0.000 min

Lab File: VU046640.D

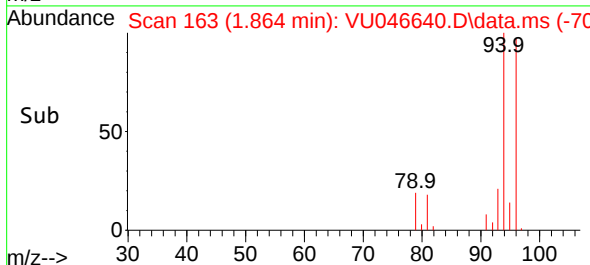
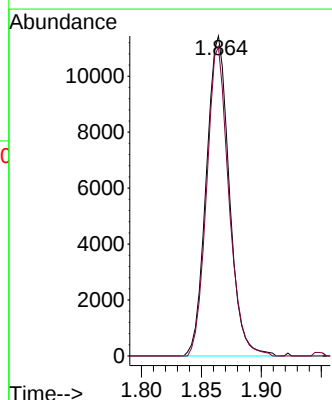
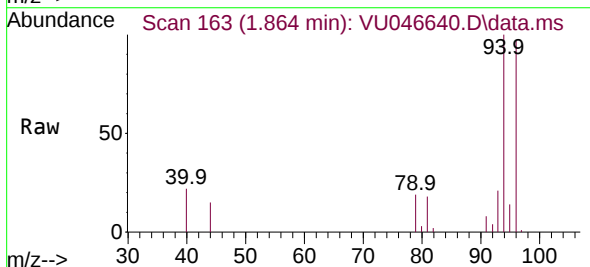
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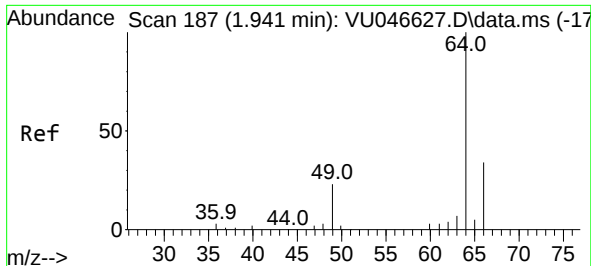
Tgt Ion: 94 Resp: 15229

Ion Ratio Lower Upper

94 100

96 96.6 65.5 121.6

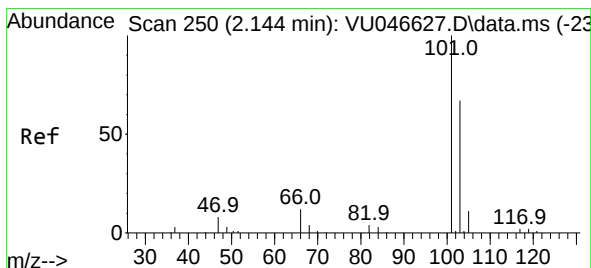
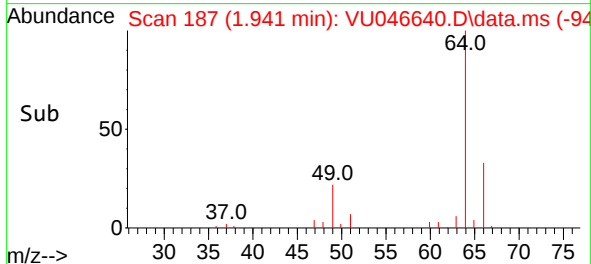
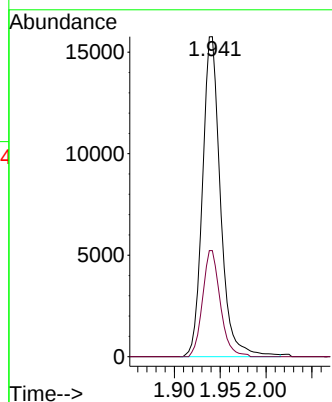
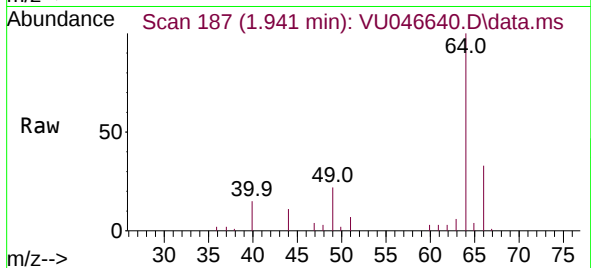




#8
Chloroethane
Concen: 4.046 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

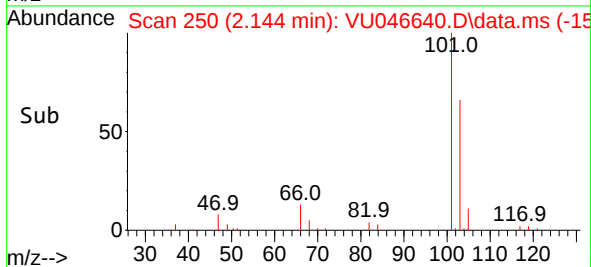
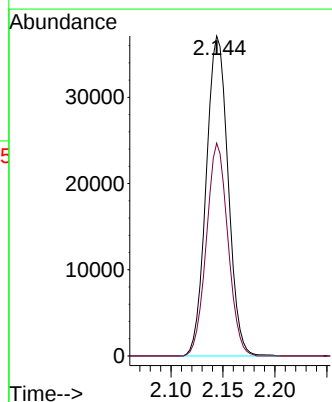
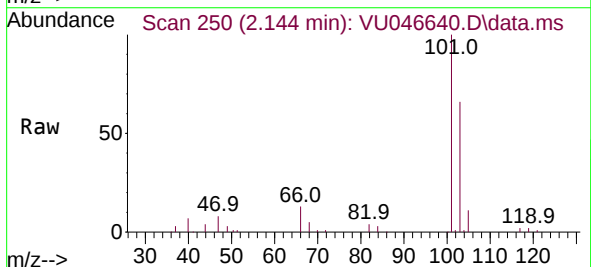
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

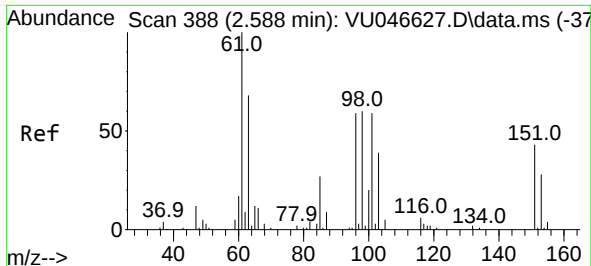
Tgt Ion: 64 Resp: 21524
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.591 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion:101 Resp: 54418
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3





#10

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

Concen: 4.955 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

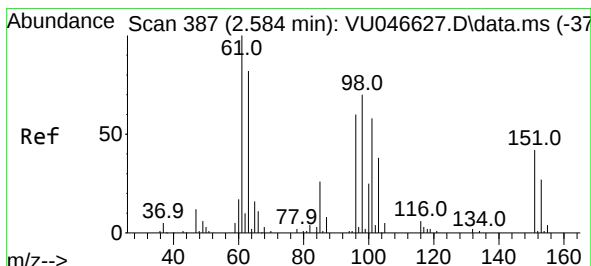
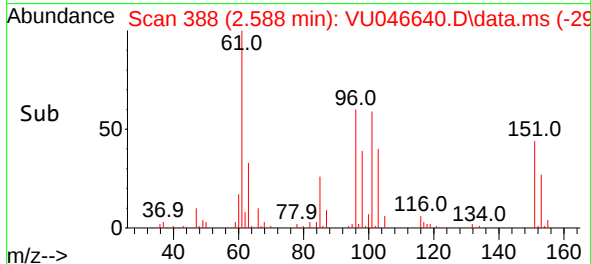
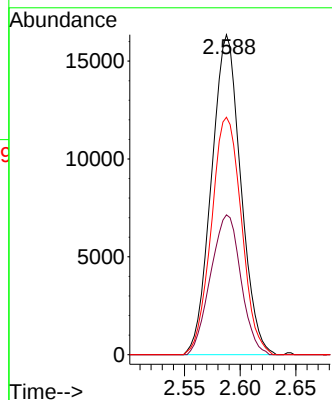
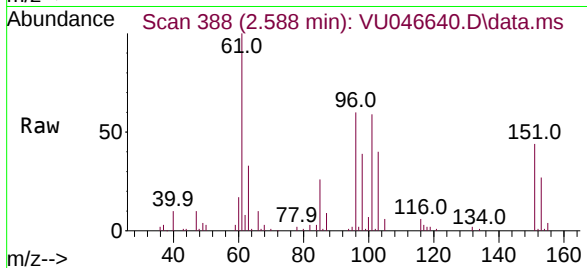
Tgt Ion:101 Resp: 29898

Ion Ratio Lower Upper

101 100

85 45.1 34.6 51.8

151 76.3 56.1 84.1



#12

1,1-Dichloroethene

Concen: 4.408 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

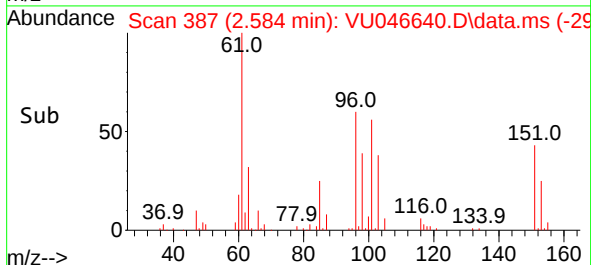
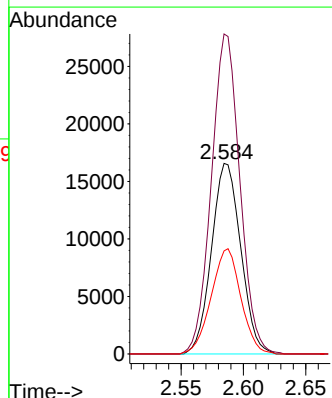
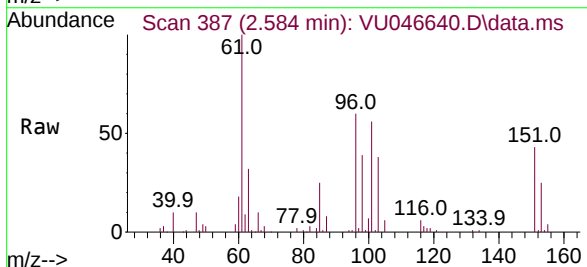
Tgt Ion: 96 Resp: 27081

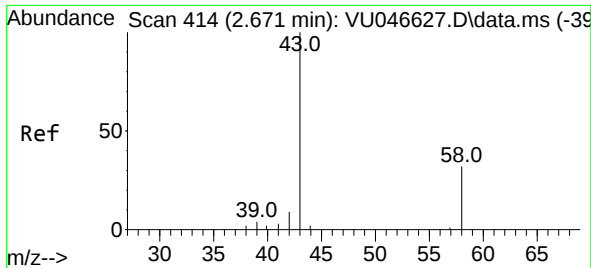
Ion Ratio Lower Upper

96 100

61 167.9 124.7 231.5

63 54.1 105.2 195.4#





#13

Acetone

Concen: 44.401 ug/L

RT: 2.671 min Scan# 414

Delta R.T. -0.000 min

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Acq: 29 Dec 2021 21:02

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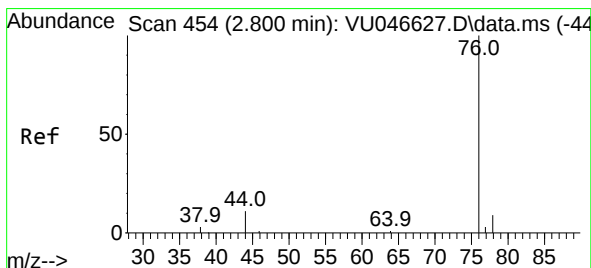
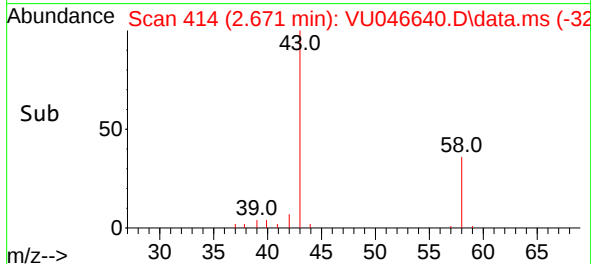
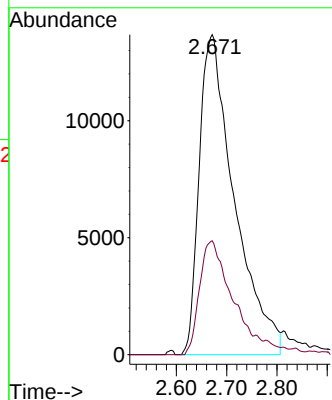
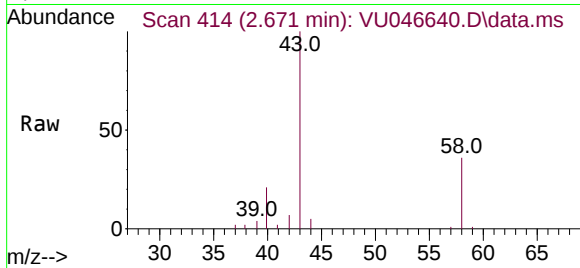
VSTDICC0.5

Tgt Ion: 43 Resp: 66432

Ion Ratio Lower Upper

43 100

58 32.7 0.0 71.6



#14

Carbon disulfide

Concen: 3.390 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046640.D

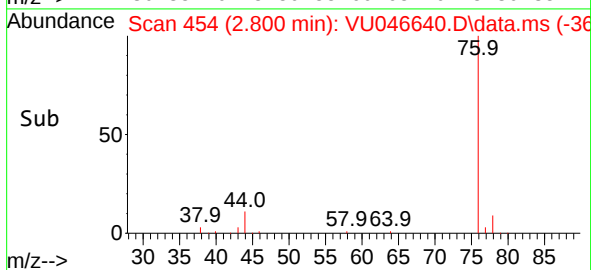
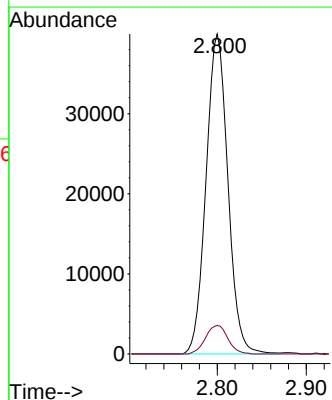
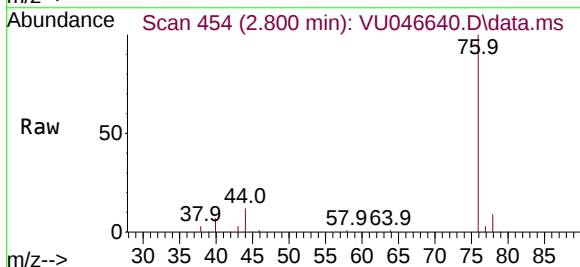
Acq: 29 Dec 2021 21:02

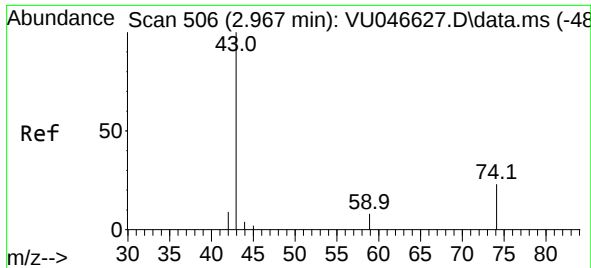
Tgt Ion: 76 Resp: 68033

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

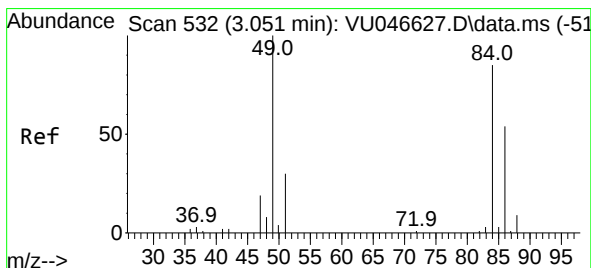
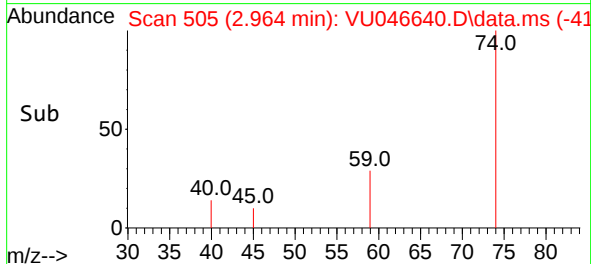
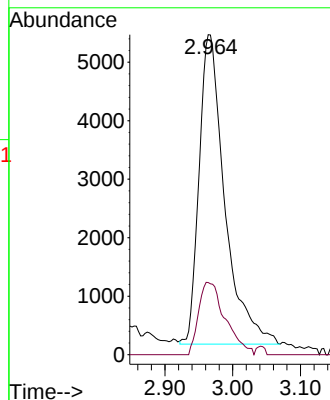
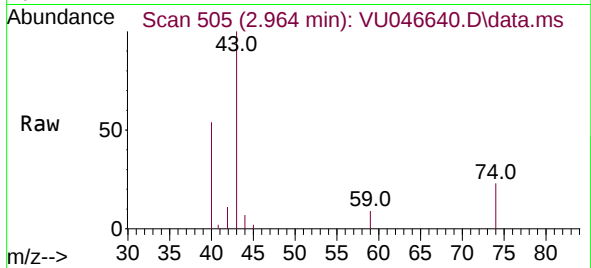




#15
Methyl Acetate
Concen: 4.595 ug/L
RT: 2.964 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

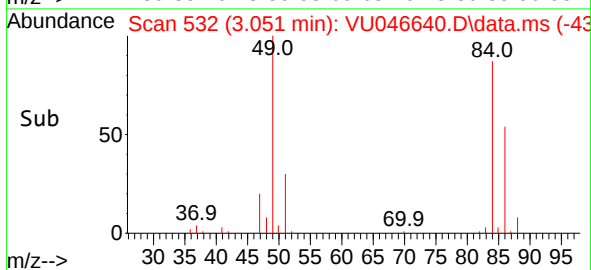
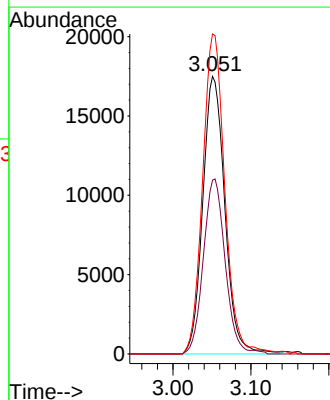
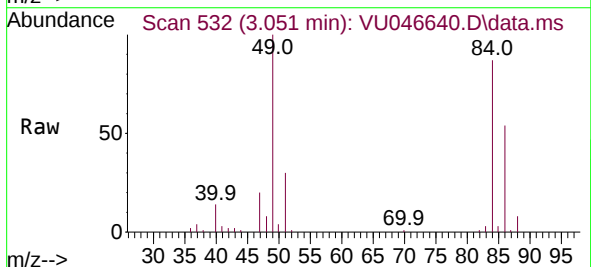
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

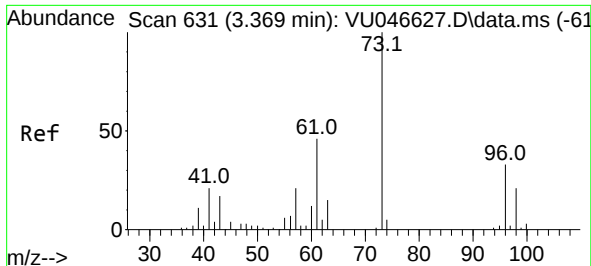
Tgt Ion: 43 Resp: 13886
Ion Ratio Lower Upper
43 100
74 24.3 19.1 28.7



#16
Methylene chloride
Concen: 4.598 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion: 84 Resp: 34378
Ion Ratio Lower Upper
84 100
86 62.6 45.8 85.0
49 115.3 84.5 156.9

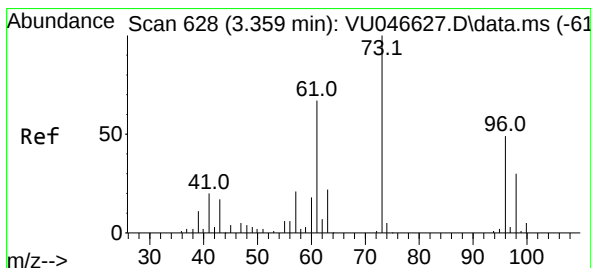
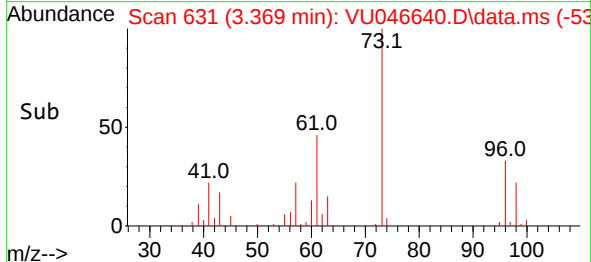
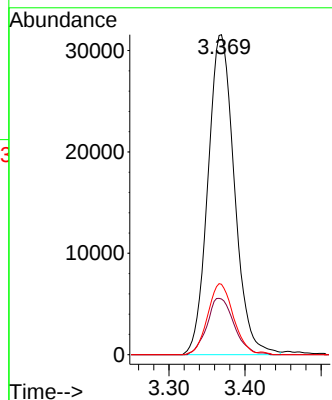
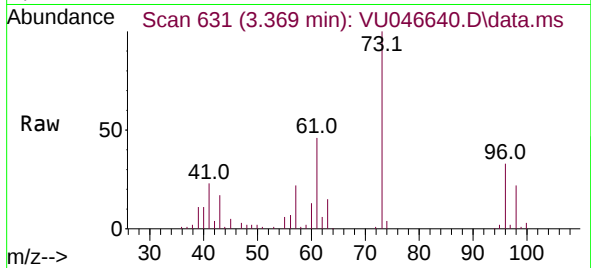




#17
Methyl tert-butyl Ether
Concen: 4.252 ug/L
RT: 3.369 min Scan# 611
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

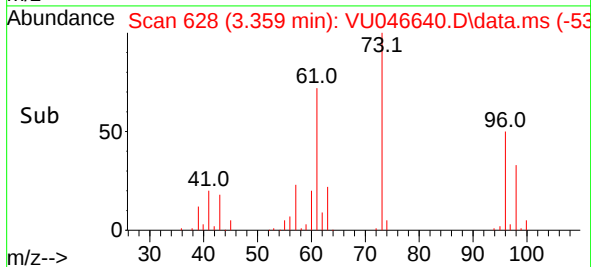
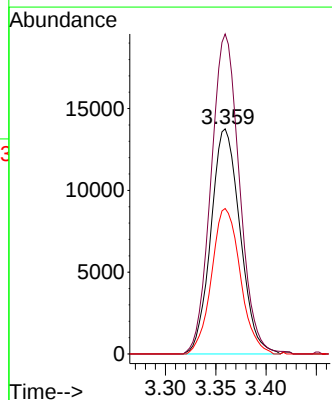
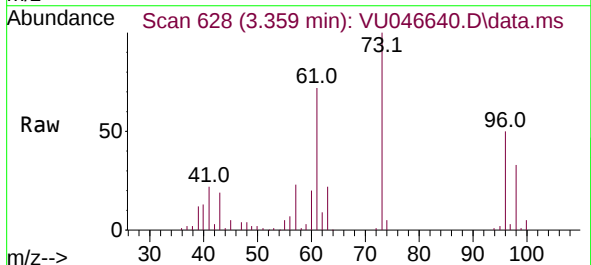
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

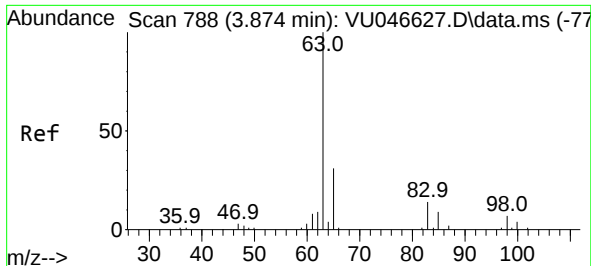
Tgt Ion: 73	Resp:	76205
Ion	Ratio	Lower Upper
73	100	
43	18.1	14.8 22.2
57	21.5	17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.235 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion: 96	Resp:	27761
Ion	Ratio	Lower Upper
96	100	
61	142.1	100.8 187.2
98	64.6	45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.863 ug/L

RT: 3.877 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

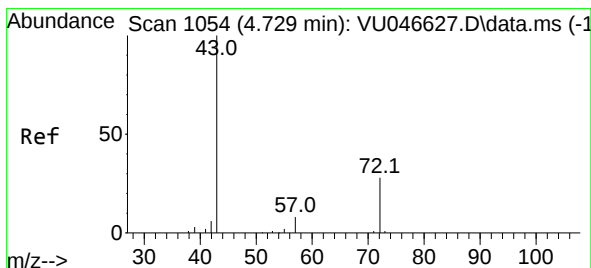
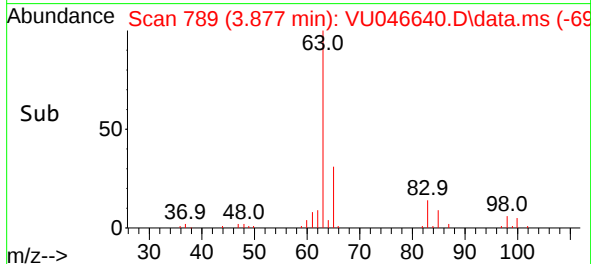
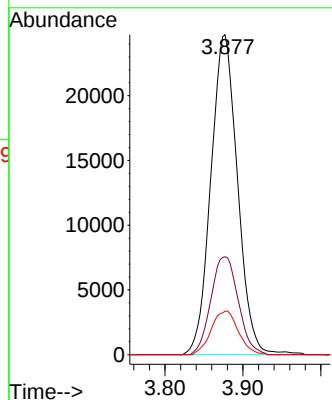
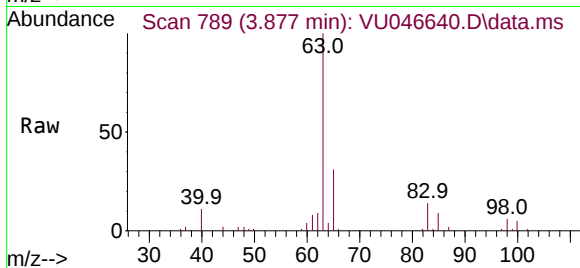
Tgt Ion: 63 Resp: 58717

Ion Ratio Lower Upper

63 100

65 30.6 22.3 41.5

83 13.6 9.6 17.8



#21

2-Butanone

Concen: 47.300 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. -0.003 min

Lab File: VU046640.D

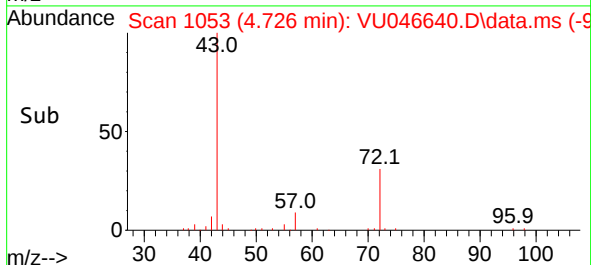
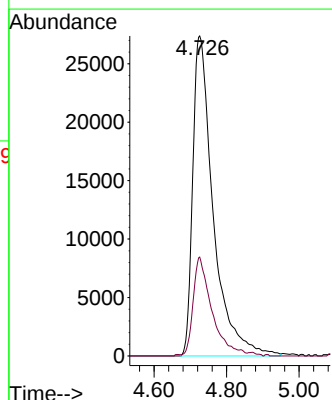
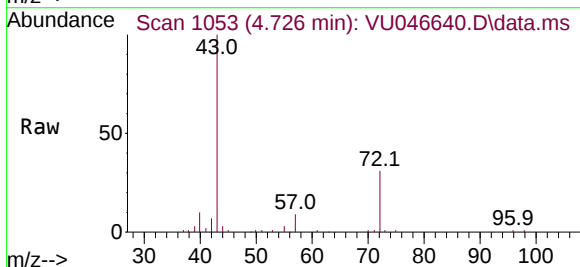
Acq: 29 Dec 2021 21:02

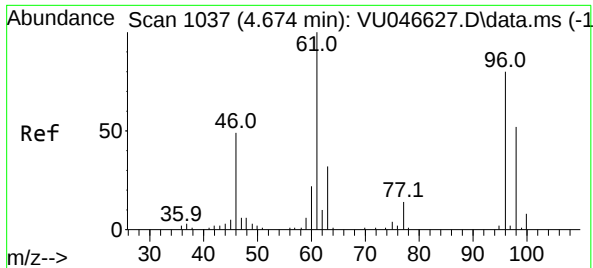
Tgt Ion: 43 Resp: 107369

Ion Ratio Lower Upper

43 100

72 26.7 14.1 42.3

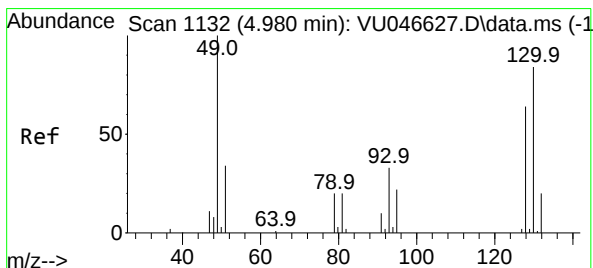
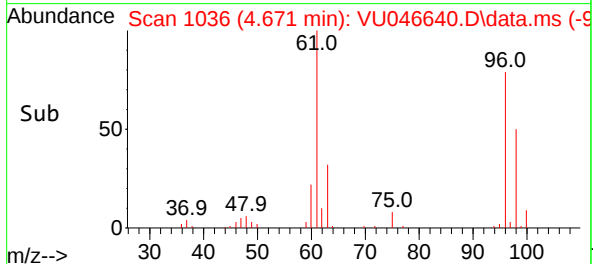
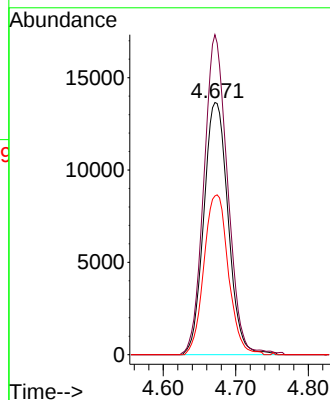
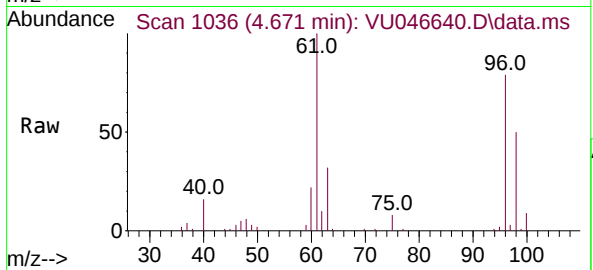




#22
 cis-1,2-Dichloroethene
 Concen: 4.445 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU046640.D
 Acq: 29 Dec 2021 21:02

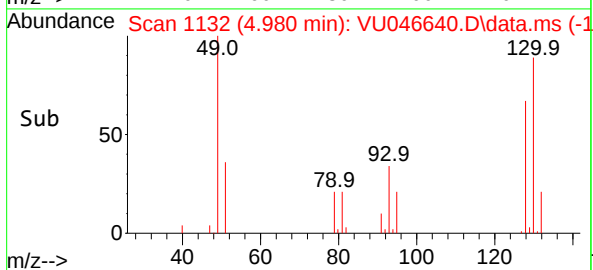
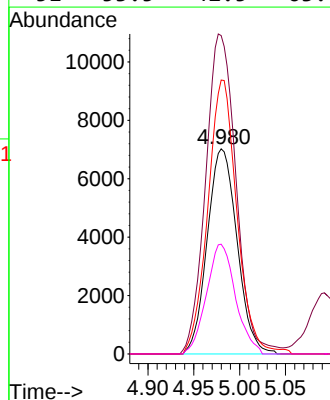
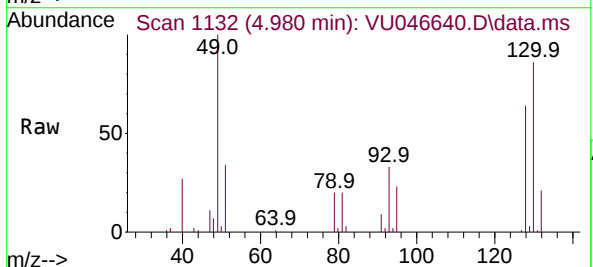
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

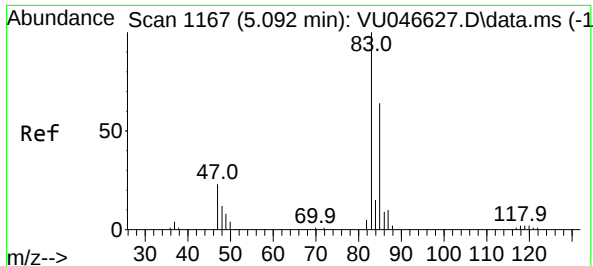
Tgt Ion: 96 Resp: 31844
 Ion Ratio Lower Upper
 96 100
 61 126.9 88.5 164.3
 98 63.0 44.4 82.5



#23
 Bromochloromethane
 Concen: 4.453 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VU046640.D
 Acq: 29 Dec 2021 21:02

Tgt Ion: 128 Resp: 15877
 Ion Ratio Lower Upper
 128 100
 49 155.2 117.0 217.2
 130 133.5 88.2 163.8
 51 53.5 42.5 63.7





#25

Chloroform

Concen: 4.845 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

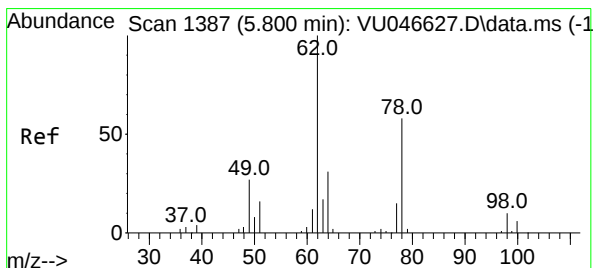
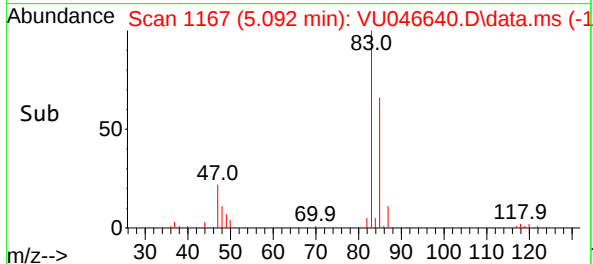
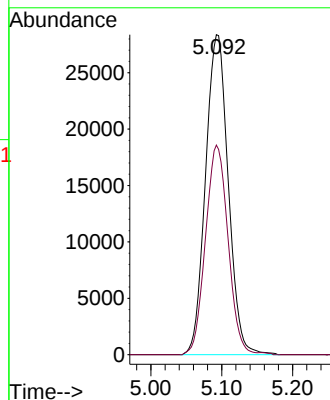
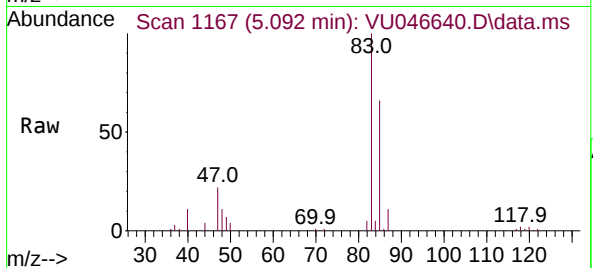
VSTDICC0.5

Tgt Ion: 83 Resp: 63196

Ion Ratio Lower Upper

83 100

85 65.5 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.559 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU046640.D

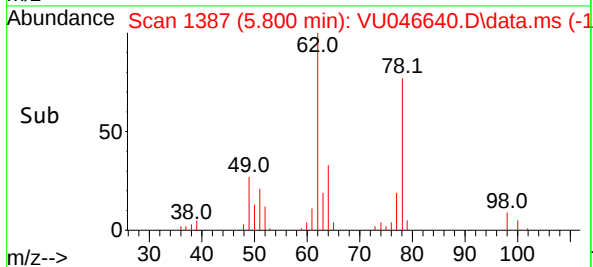
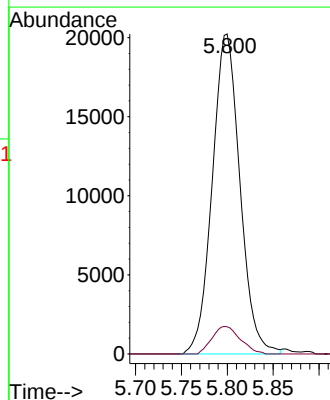
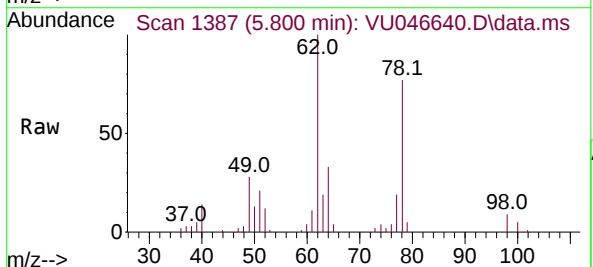
Acq: 29 Dec 2021 21:02

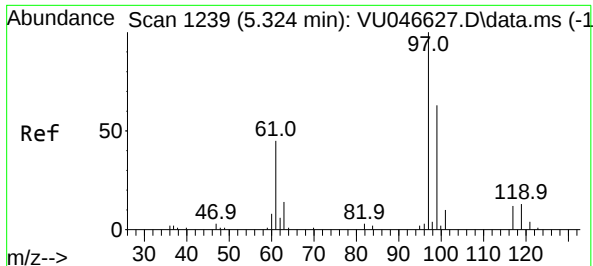
Tgt Ion: 62 Resp: 42455

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.548 ug/L

RT: 5.321 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

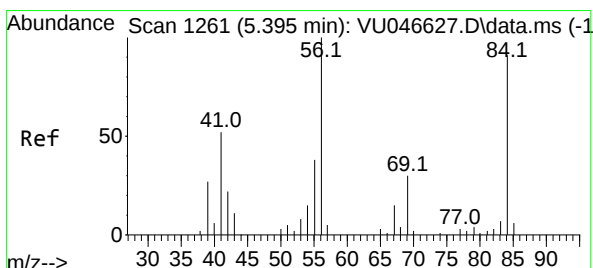
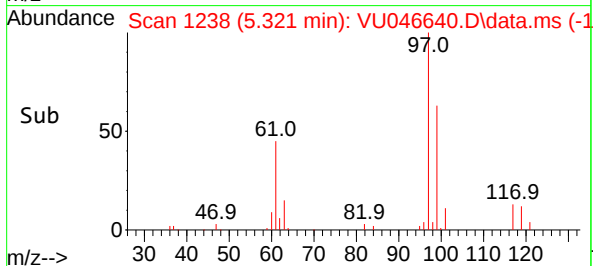
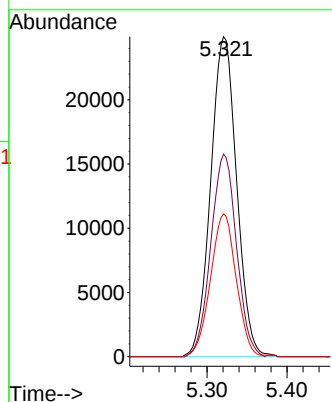
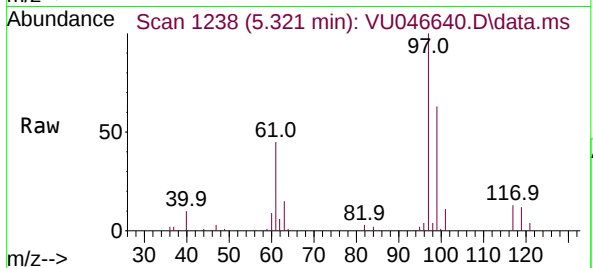
Tgt Ion: 97 Resp: 56228

Ion Ratio Lower Upper

97 100

99 62.6 51.3 76.9

61 44.3 36.1 54.1



#30

Cyclohexane

Concen: 3.679 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

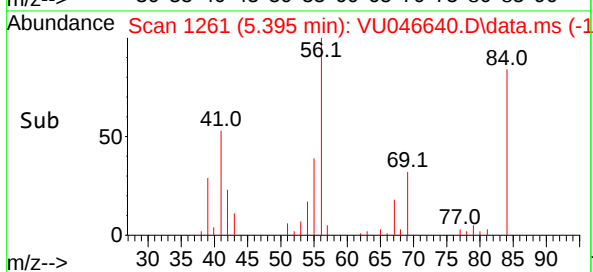
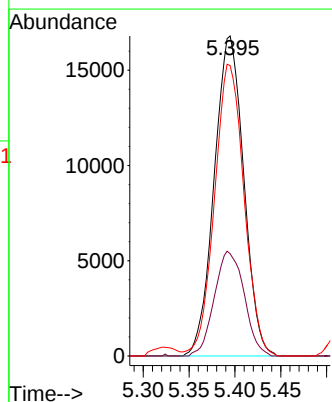
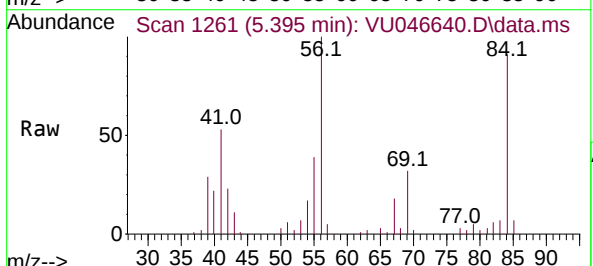
Tgt Ion: 56 Resp: 37629

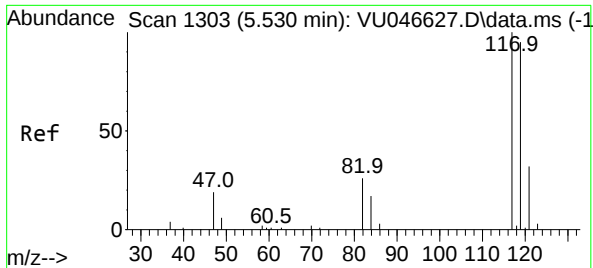
Ion Ratio Lower Upper

56 100

69 33.0 24.7 37.1

84 91.0 71.8 107.6

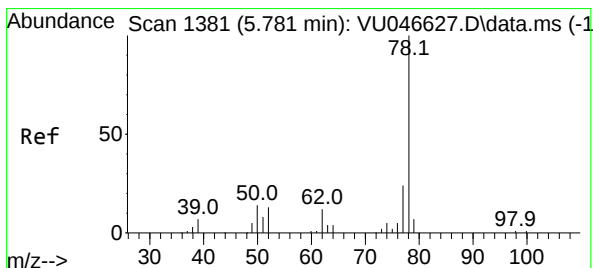
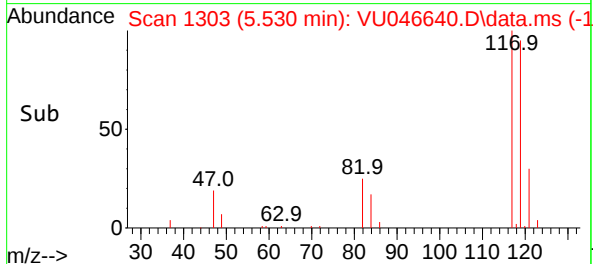
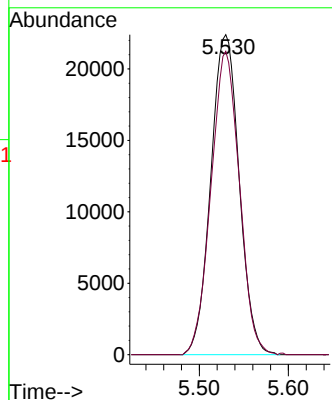
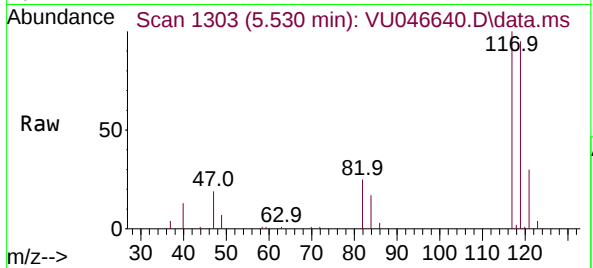




#31
Carbon tetrachloride
Concen: 4.780 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

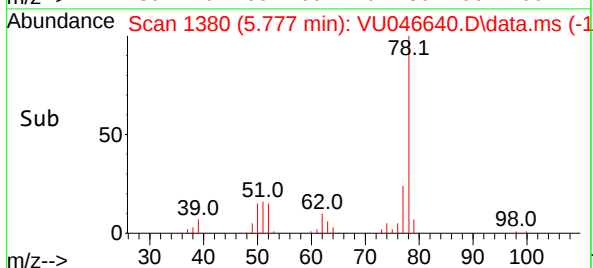
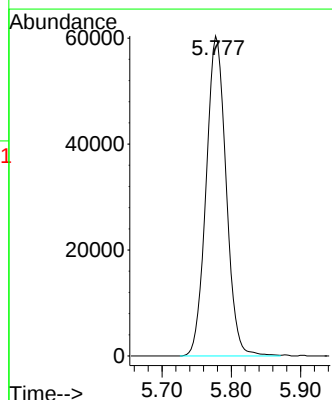
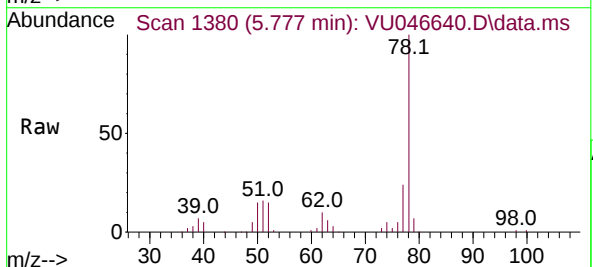
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

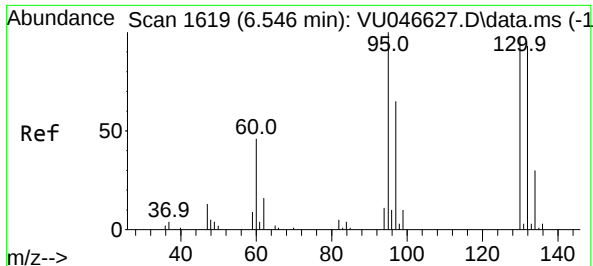
Tgt Ion:117 Resp: 49584
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3



#33
Benzene
Concen: 4.070 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion: 78 Resp: 120893

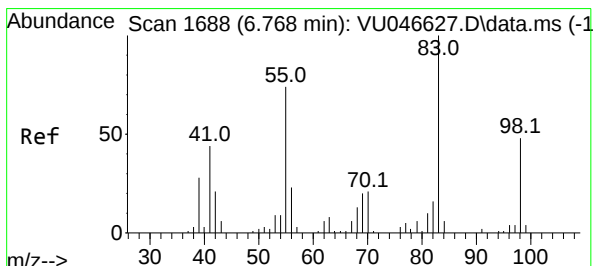
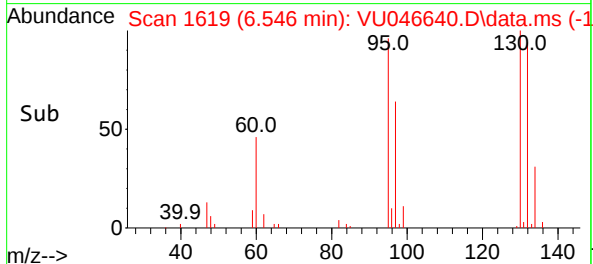
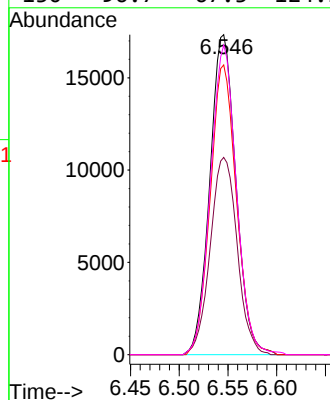
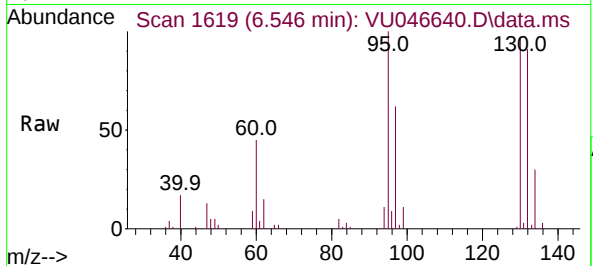




#34
Trichloroethene
Concen: 4.127 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

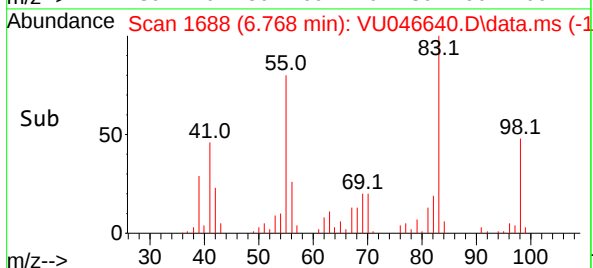
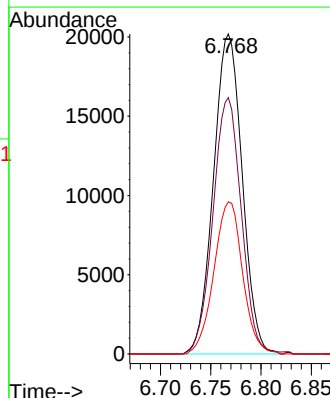
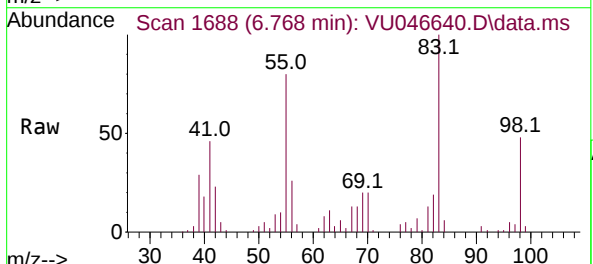
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

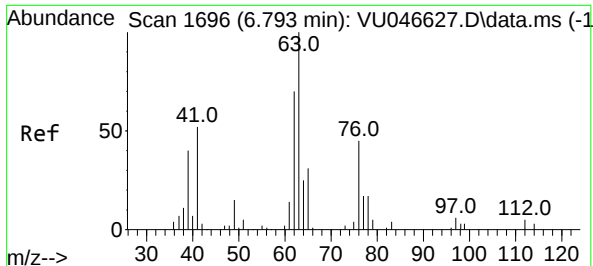
Tgt Ion: 95 Resp: 32315
Ion Ratio Lower Upper
95 100
97 61.7 46.5 86.5
132 90.6 65.1 120.9
130 96.7 67.3 124.9



#35
Methylcyclohexane
Concen: 3.636 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion: 83 Resp: 40145
Ion Ratio Lower Upper
83 100
55 79.2 61.9 92.9
98 47.5 39.0 58.6





#37

1,2-Dichloropropane

Concen: 4.674 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

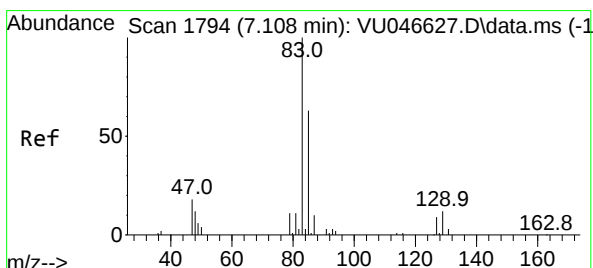
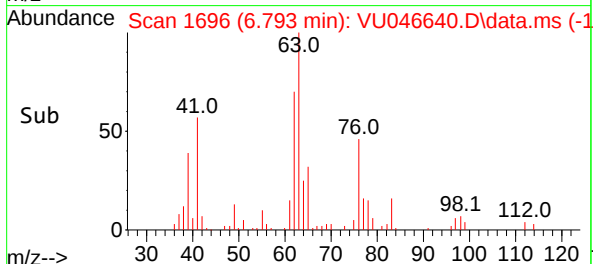
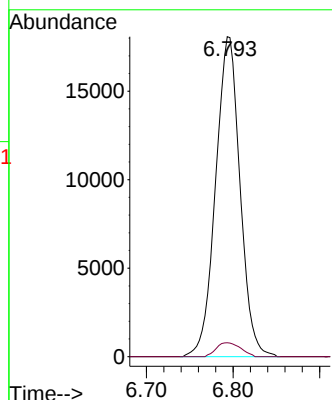
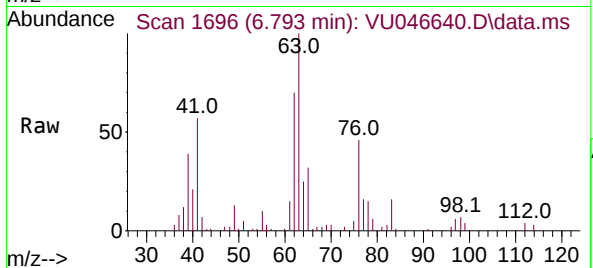
VSTDICC0.5

Tgt Ion: 63 Resp: 35418

Ion Ratio Lower Upper

63 100

112 4.4 3.2 4.8



#38

Bromodichloromethane

Concen: 4.842 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

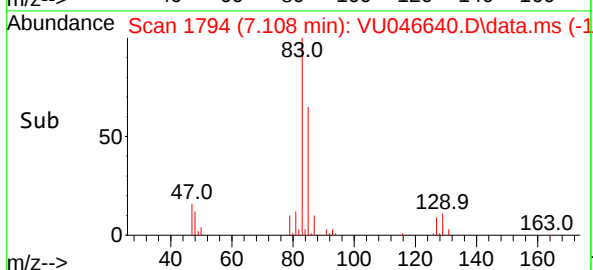
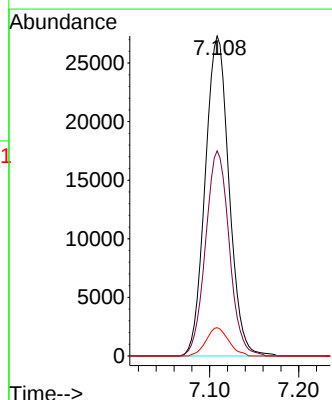
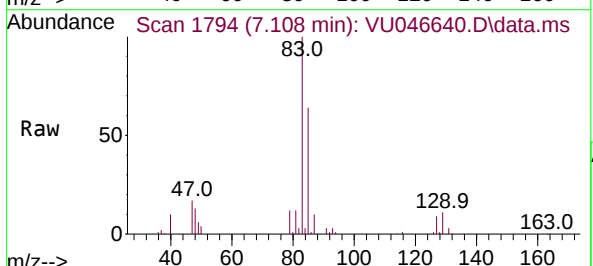
Tgt Ion: 83 Resp: 50790

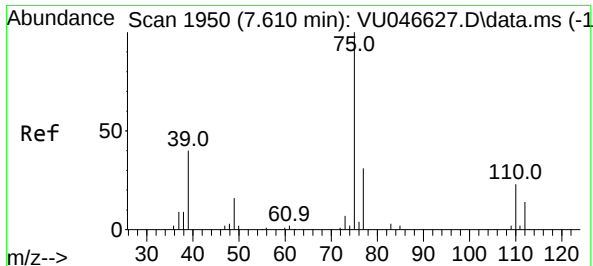
Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

127 8.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.047 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

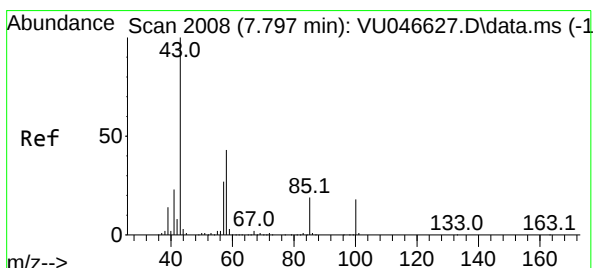
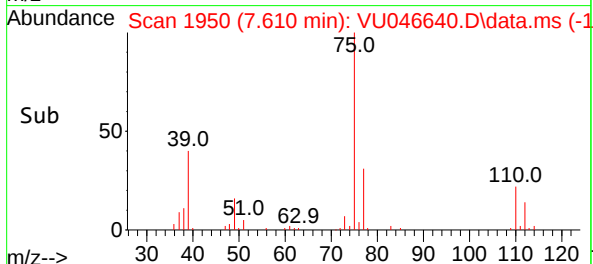
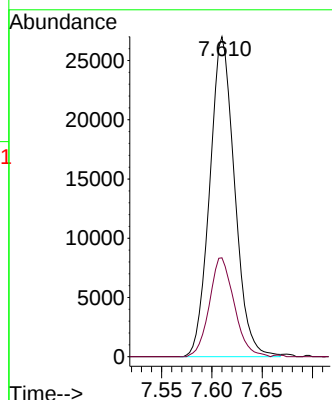
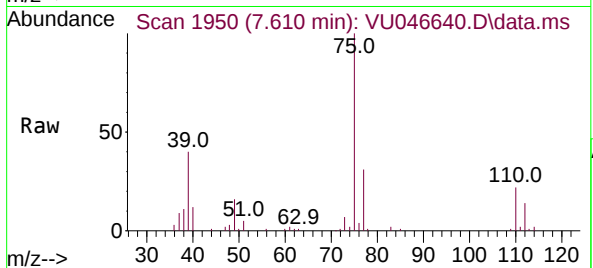
VSTDIC0.5

Tgt Ion: 75 Resp: 46420

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 42.794 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

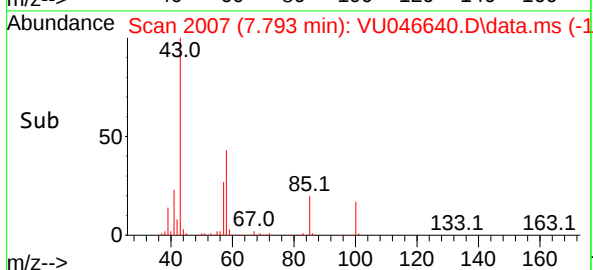
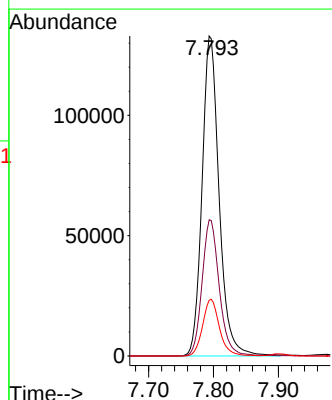
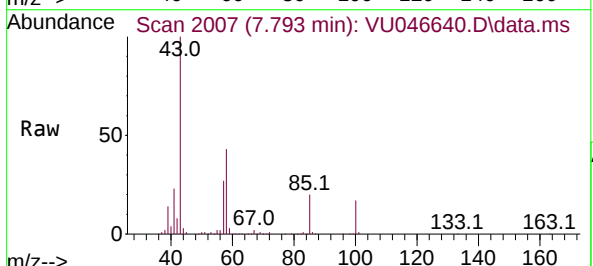
Tgt Ion: 43 Resp: 243412

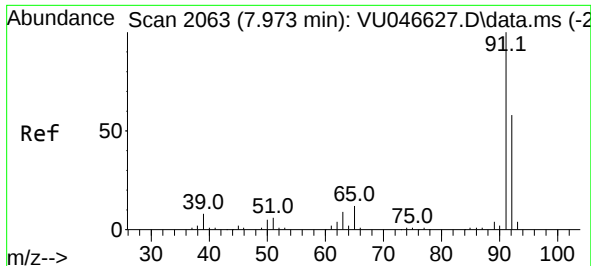
Ion Ratio Lower Upper

43 100

58 42.8 33.1 49.7

100 17.5 13.2 19.8





#42

Toluene

Concen: 4.338 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

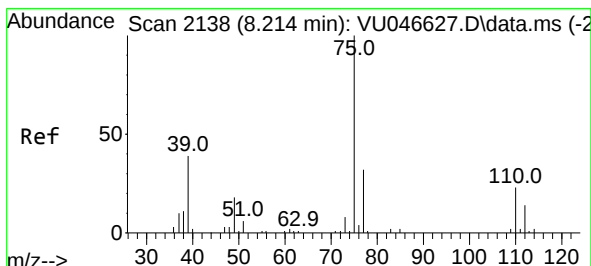
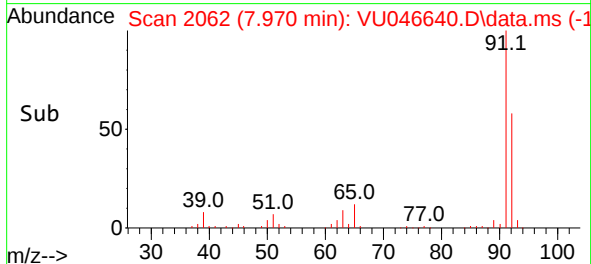
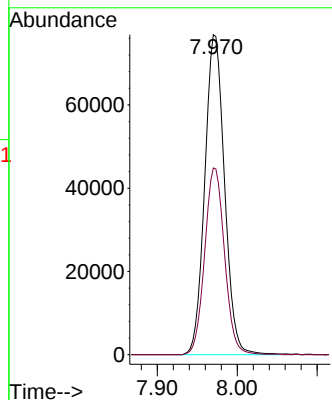
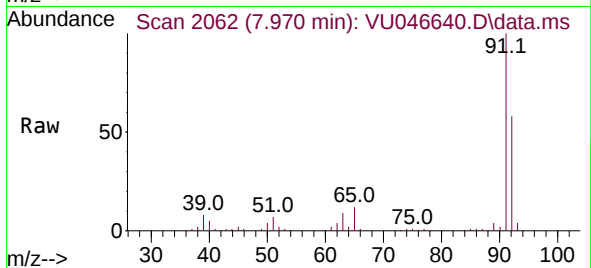
VSTDICC0.5

Tgt Ion: 91 Resp: 132284

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.154 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046640.D

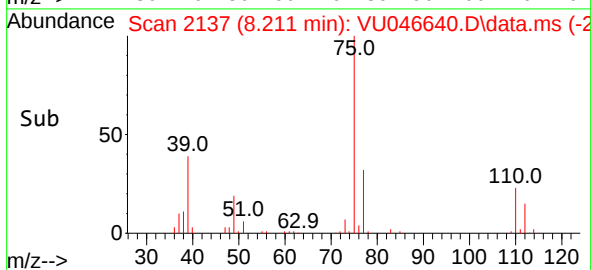
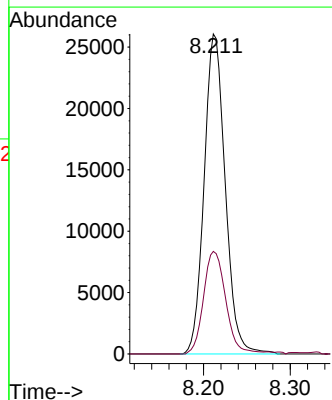
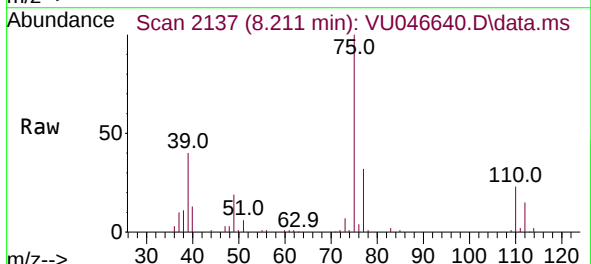
Acq: 29 Dec 2021 21:02

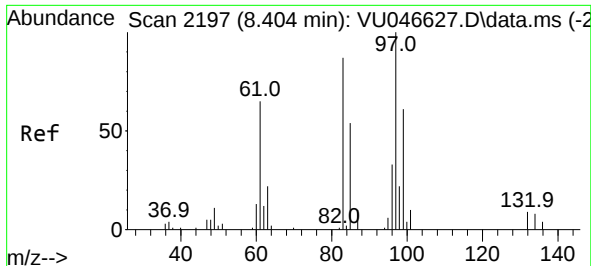
Tgt Ion: 75 Resp: 44151

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.3

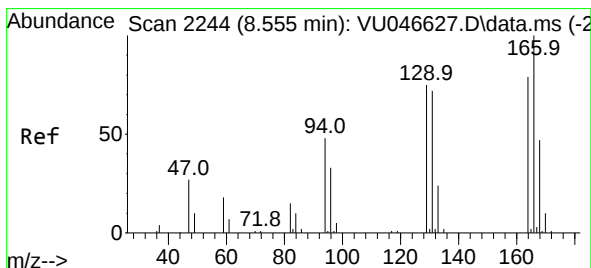
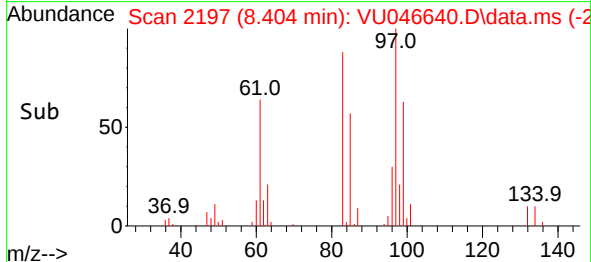
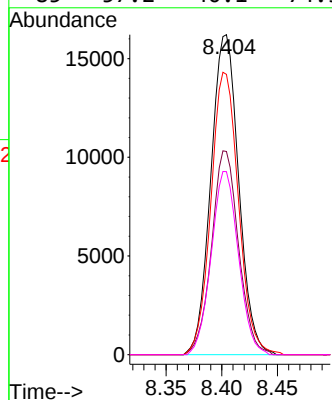
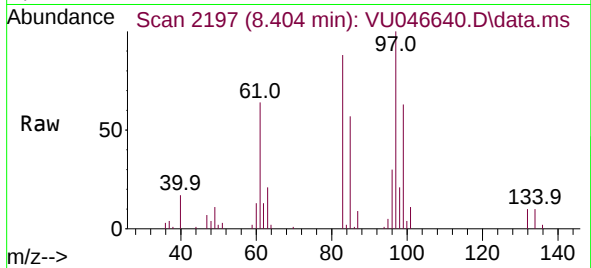




#45
1,1,2-Trichloroethane
Concen: 4.316 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

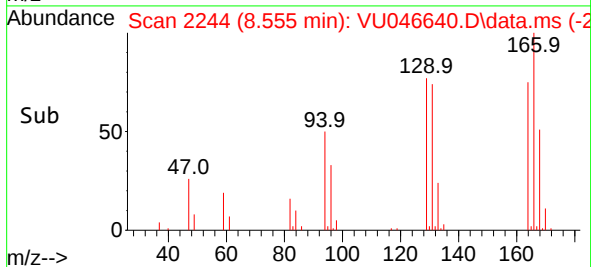
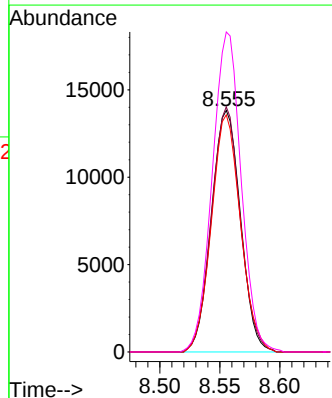
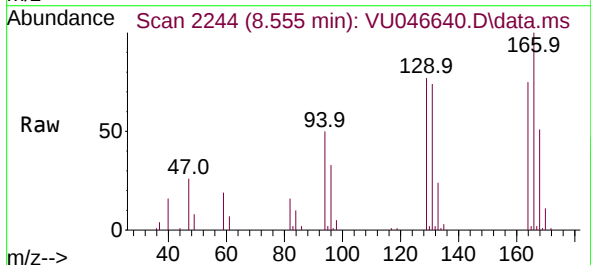
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

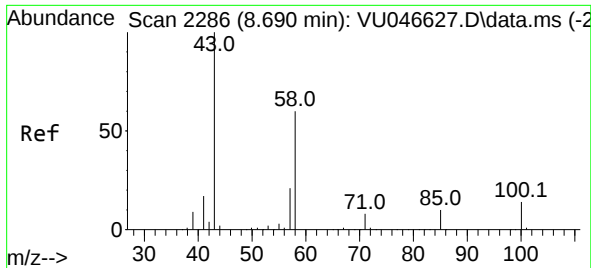
Tgt Ion: 97	Resp: 28206
Ion Ratio	Lower Upper
97 100	
99 63.5	42.3 78.5
83 87.6	62.0 115.2
85 57.2	40.1 74.5



#47
Tetrachloroethene
Concen: 4.199 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt	Ion:164	Resp:	23267
Ion	Ratio	Lower	Upper
164	100		
129	101.4	71.8	133.4
131	98.2	68.5	127.3
166	132.5	94.1	174.8



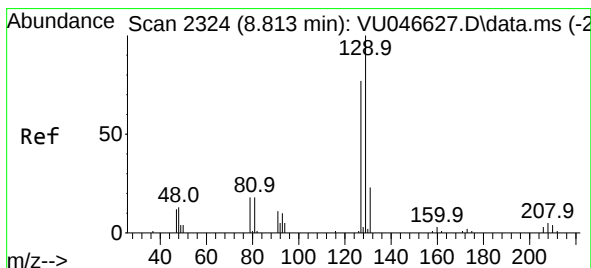
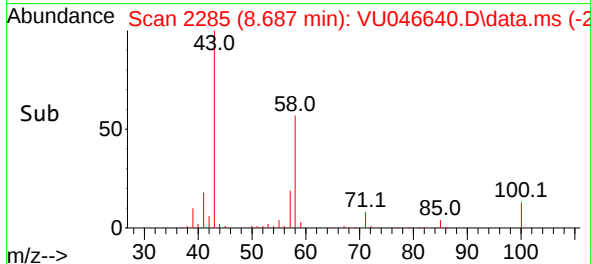
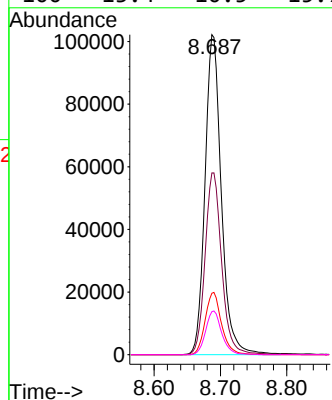
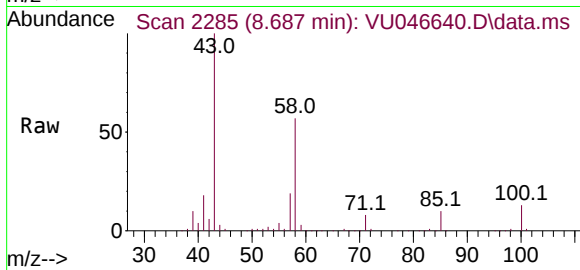


#48
2-Hexanone
Concen: 41.226 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 175123

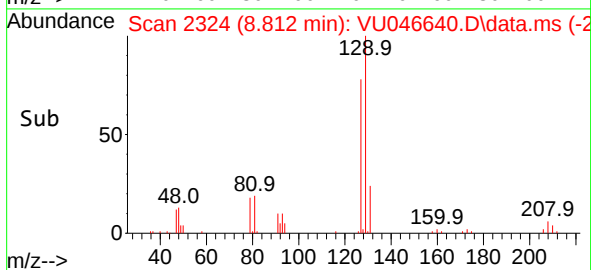
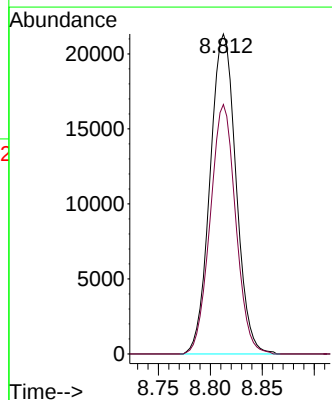
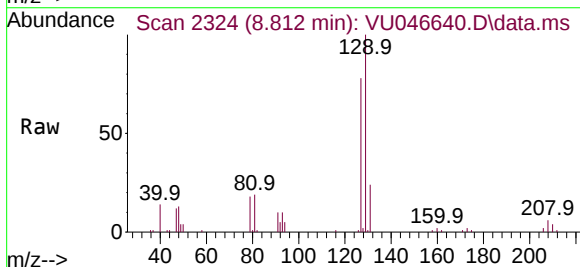
Ion	Ratio	Lower	Upper
43	100		
58	57.6	46.7	70.1
57	19.5	16.3	24.5
100	13.4	10.5	15.7

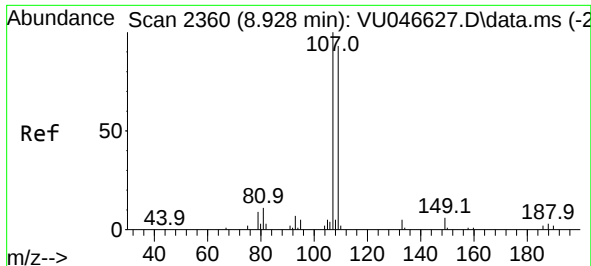


#49
Dibromochloromethane
Concen: 4.912 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion: 129 Resp: 37028

Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.4	102.8

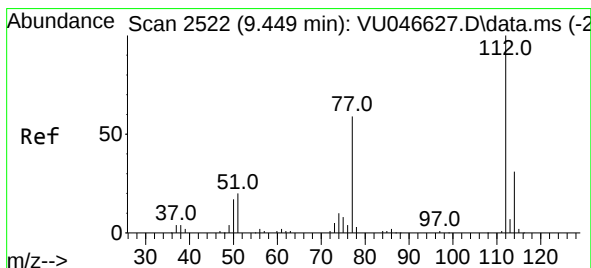
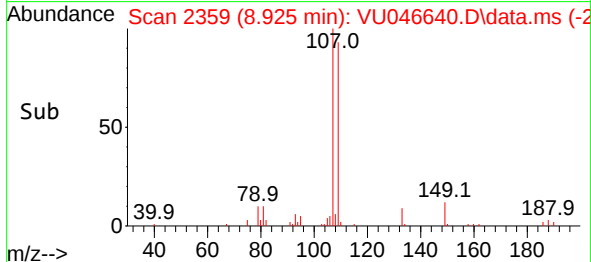
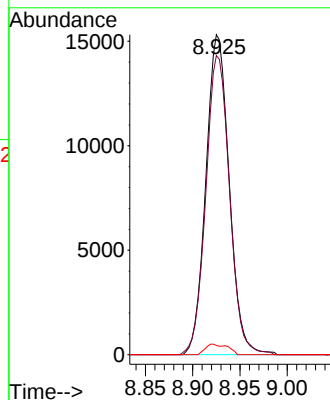
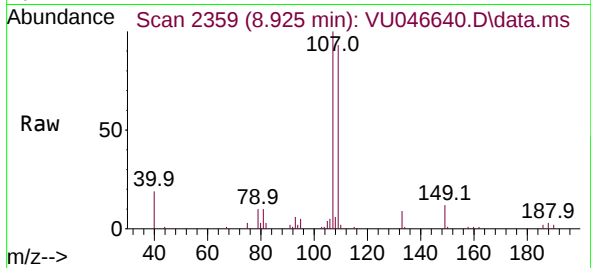




#50
1,2-Dibromoethane
Concen: 4.172 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

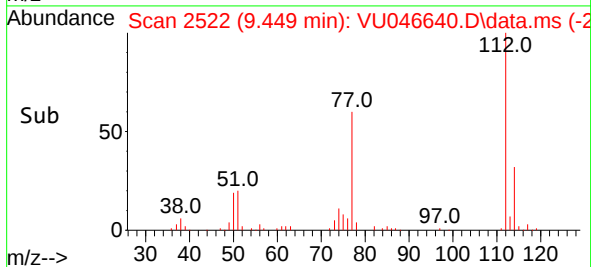
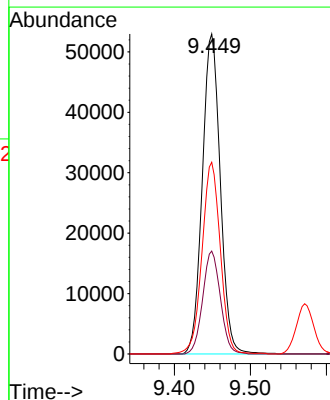
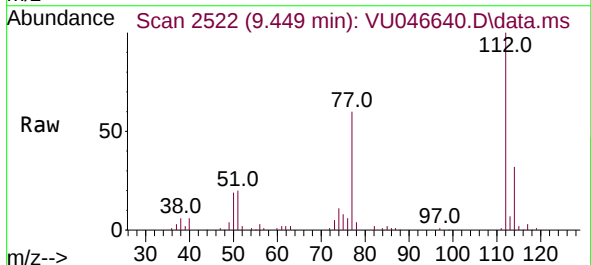
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

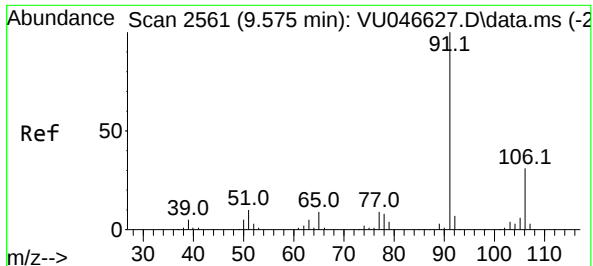
Tgt Ion:107 Resp: 26316
Ion Ratio Lower Upper
107 100
109 93.5 64.0 119.0
188 2.9 2.4 3.6



#51
Chlorobenzene
Concen: 4.460 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion:112 Resp: 86918
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 59.9 48.3 72.5





#52

Ethylbenzene

Concen: 4.440 ug/L

RT: 9.571 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

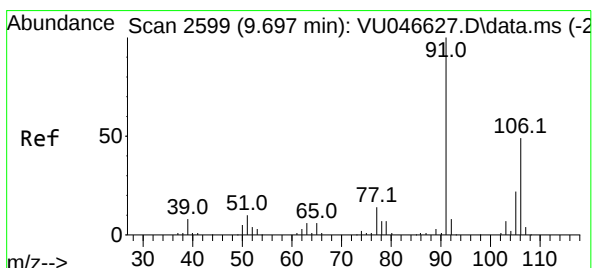
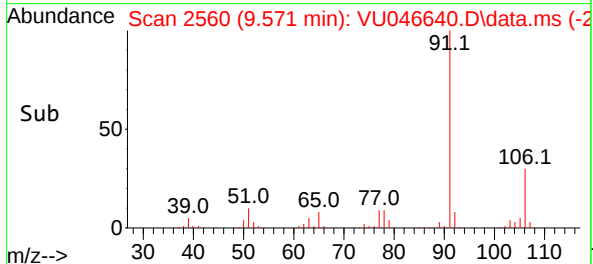
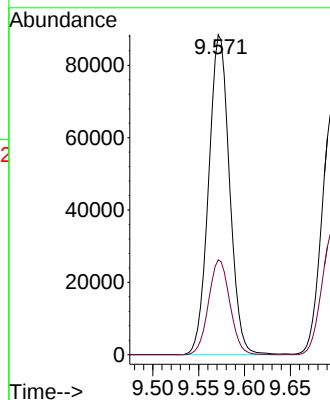
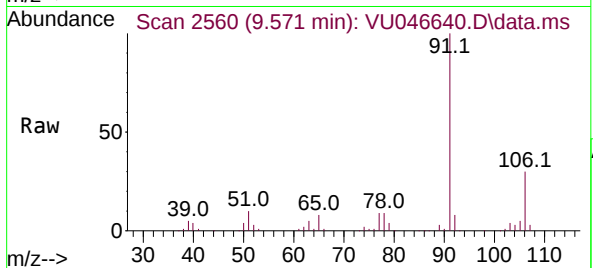
VSTDICC0.5

Tgt Ion: 91 Resp: 140138

Ion Ratio Lower Upper

91 100

106 29.7 21.5 39.9



#53

m,p-Xylene

Concen: 4.663 ug/L

RT: 9.697 min Scan# 2599

Delta R.T. -0.000 min

Lab File: VU046640.D

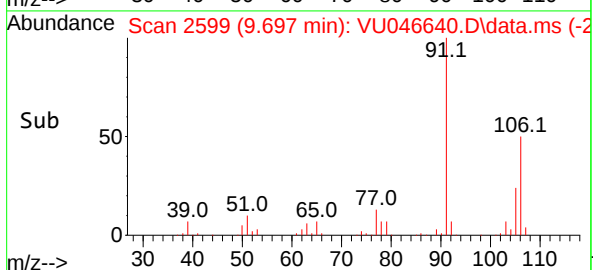
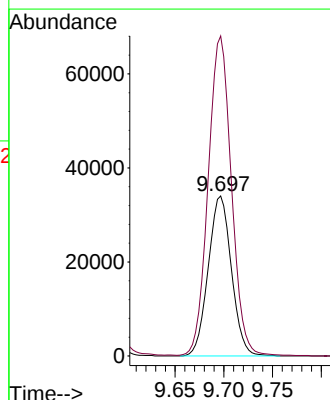
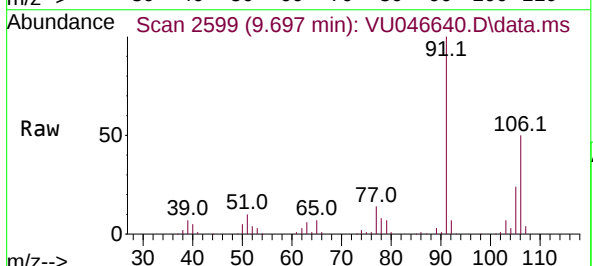
Acq: 29 Dec 2021 21:02

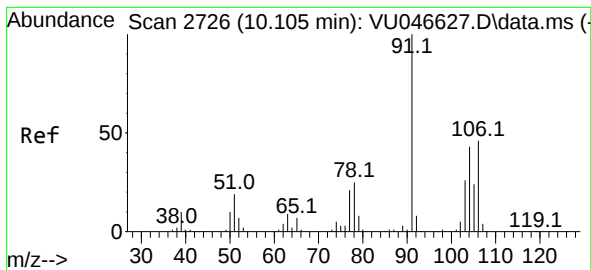
Tgt Ion:106 Resp: 56375

Ion Ratio Lower Upper

106 100

91 200.0 139.4 259.0





#54

o-Xylene

Concen: 4.624 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

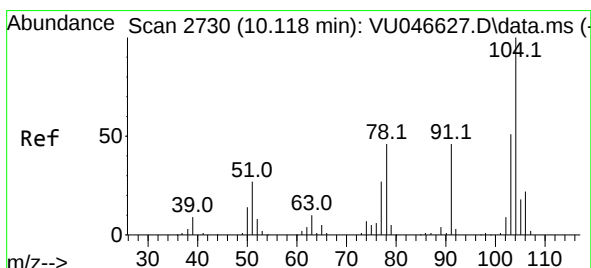
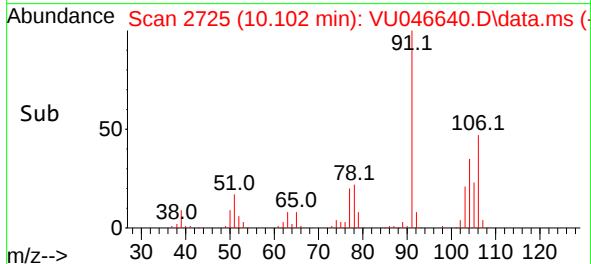
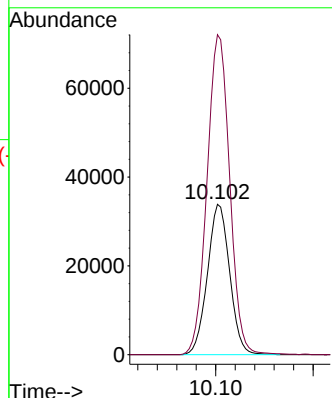
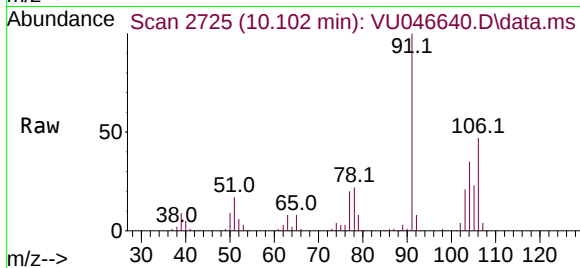
VSTDIC0.5

Tgt Ion:106 Resp: 53724

Ion Ratio Lower Upper

106 100

91 212.9 147.5 273.9



#55

Styrene

Concen: 4.987 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046640.D

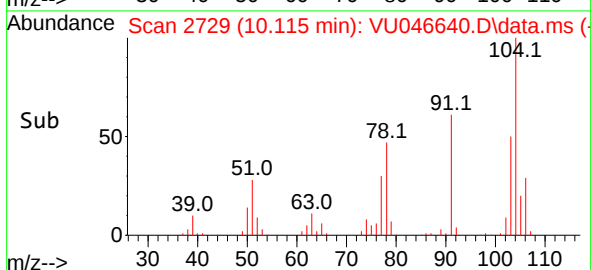
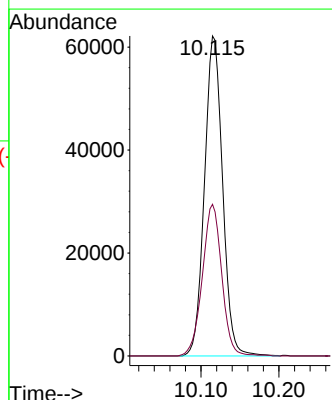
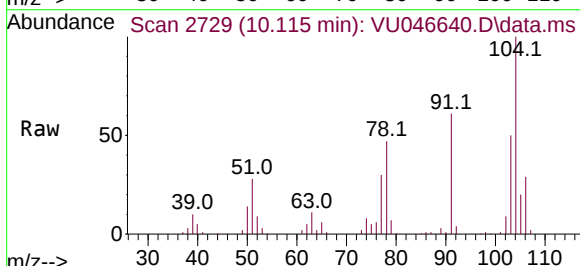
Acq: 29 Dec 2021 21:02

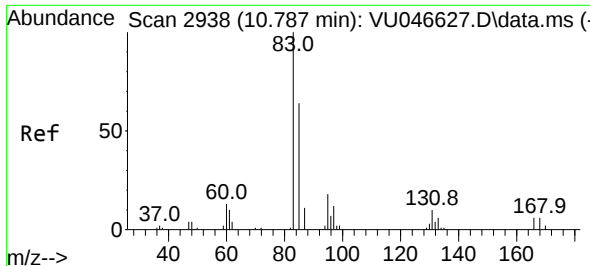
Tgt Ion:104 Resp: 100496

Ion Ratio Lower Upper

104 100

78 47.4 33.0 61.4

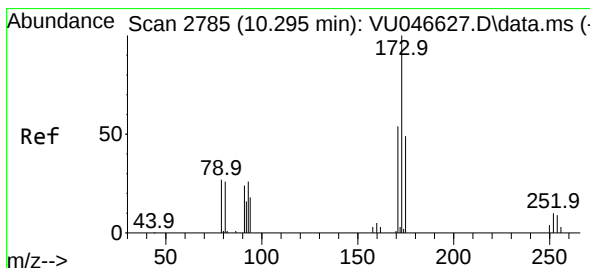
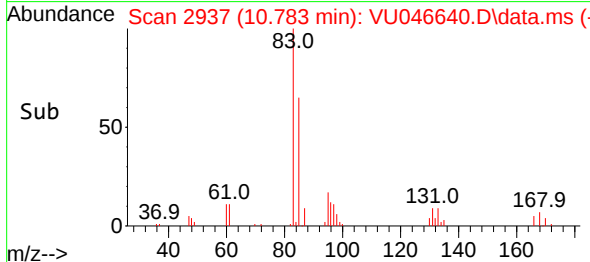
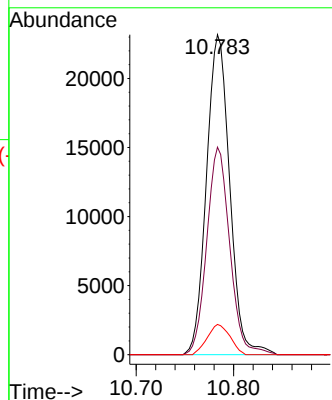
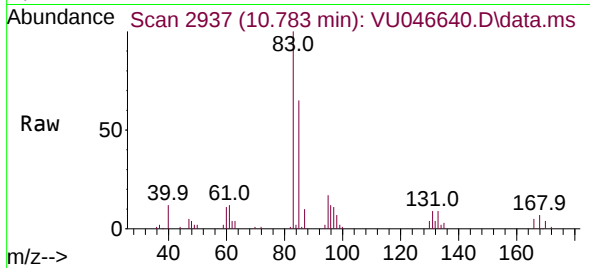




#57
1,1,2,2-Tetrachloroethane
Concen: 4.490 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

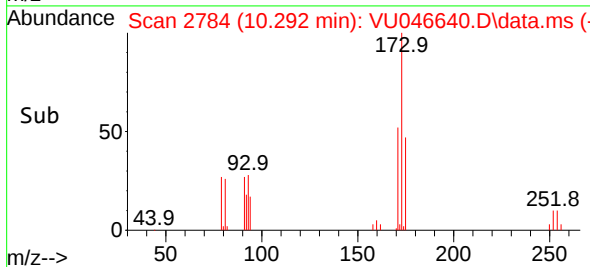
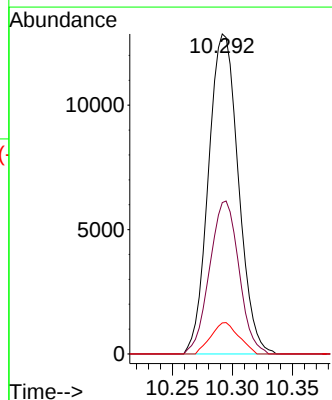
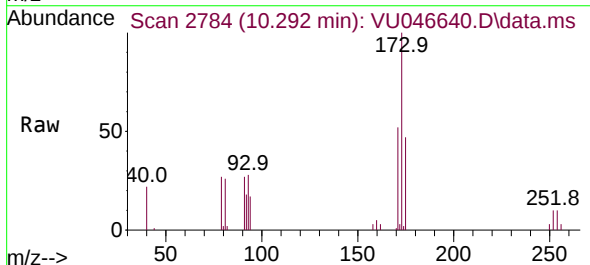
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

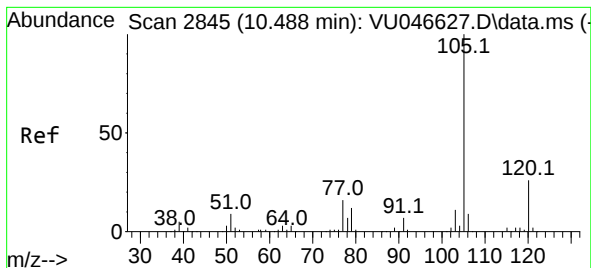
Tgt Ion: 83 Resp: 38339
Ion Ratio Lower Upper
83 100
85 64.9 47.9 89.1
131 9.4 8.1 12.1



#59
Bromoform
Concen: 4.491 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion:173 Resp: 22312
Ion Ratio Lower Upper
173 100
175 46.8 37.8 56.6
254 9.1 7.3 10.9





#60

Isopropylbenzene

Concen: 4.380 ug/L

RT: 10.488 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

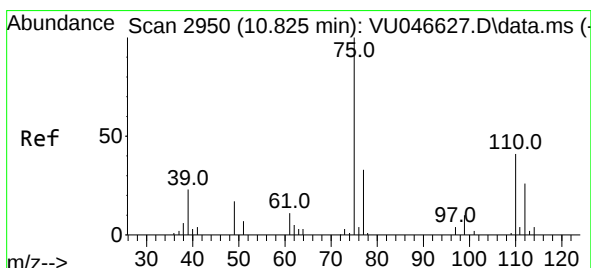
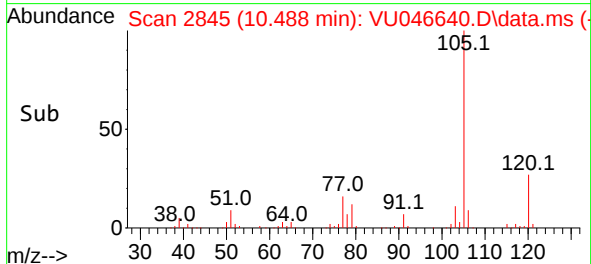
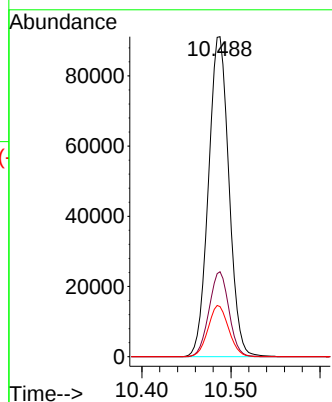
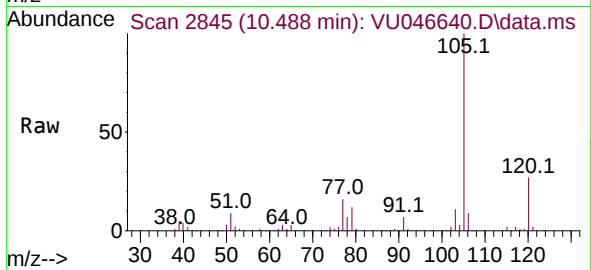
Tgt Ion:105 Resp: 145261

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

77 16.1 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.022 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

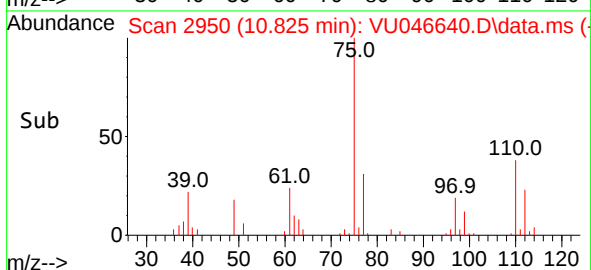
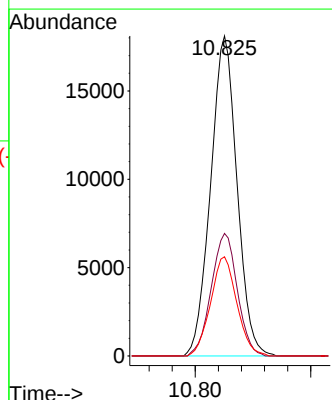
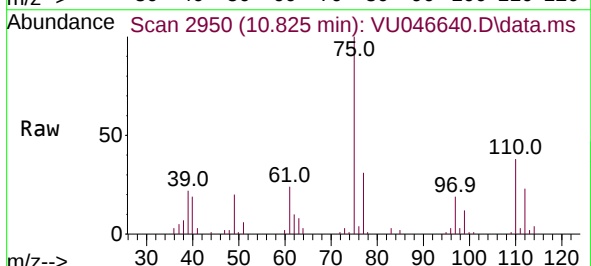
Tgt Ion: 75 Resp: 28723

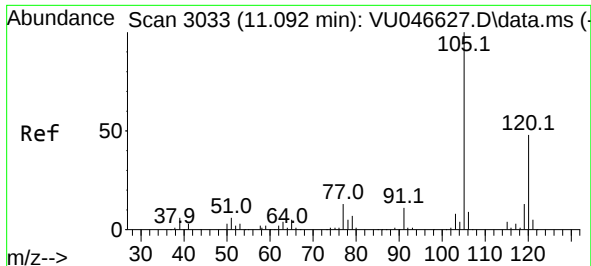
Ion Ratio Lower Upper

75 100

110 37.8 29.9 44.9

77 30.8 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.112 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

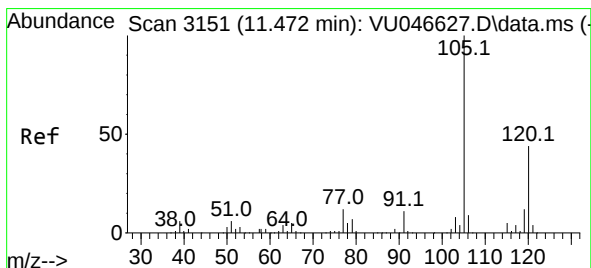
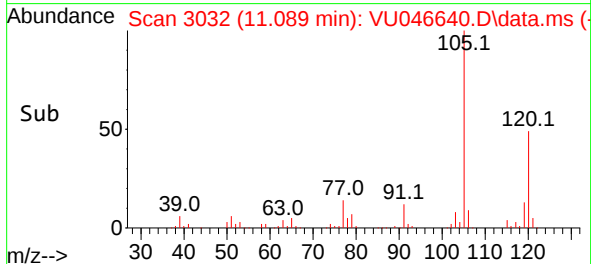
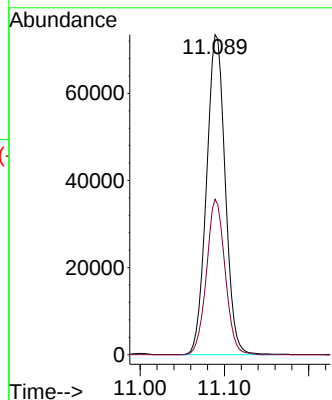
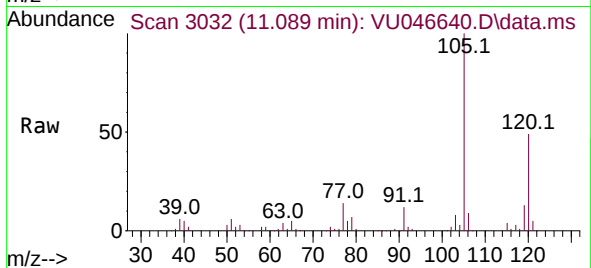
VSTDIC0.5

Tgt Ion:105 Resp: 113408

Ion Ratio Lower Upper

105 100

120 48.2 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 4.344 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046640.D

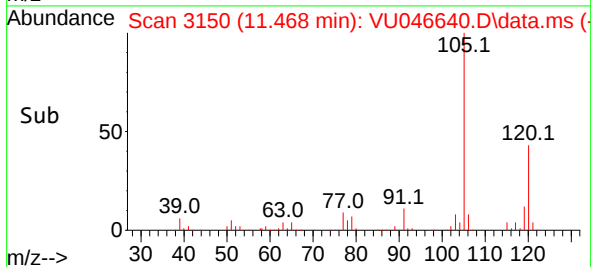
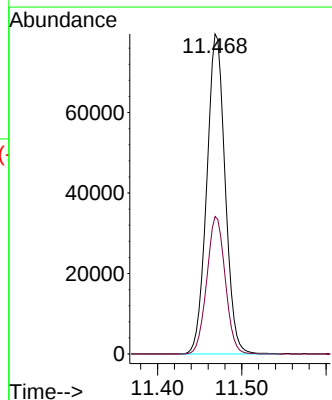
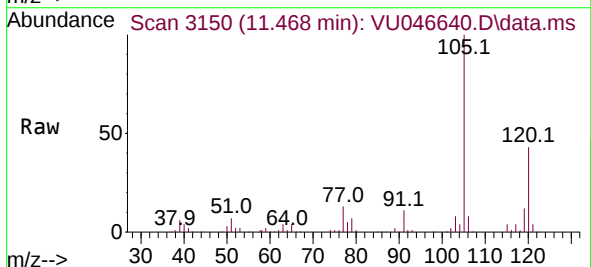
Acq: 29 Dec 2021 21:02

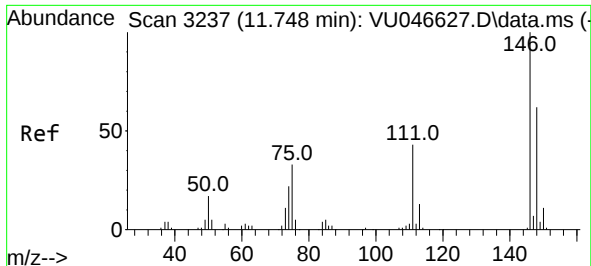
Tgt Ion:105 Resp: 120652

Ion Ratio Lower Upper

105 100

120 43.0 35.8 53.8

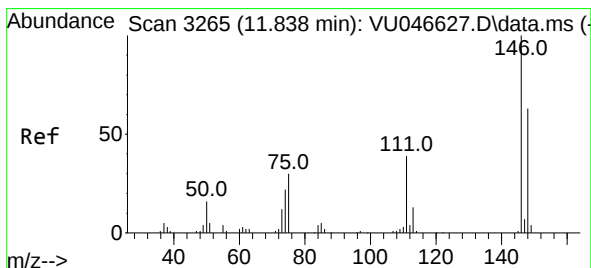
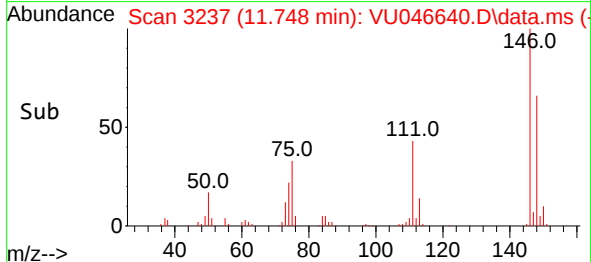
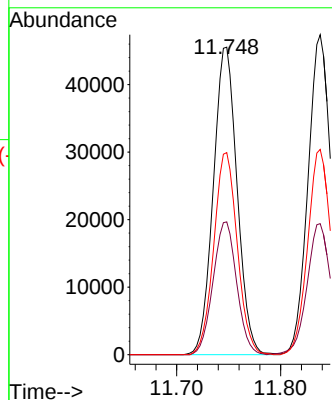
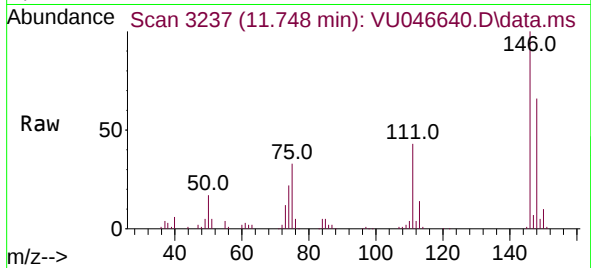




#64
1,3-Dichlorobenzene
Concen: 4.499 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

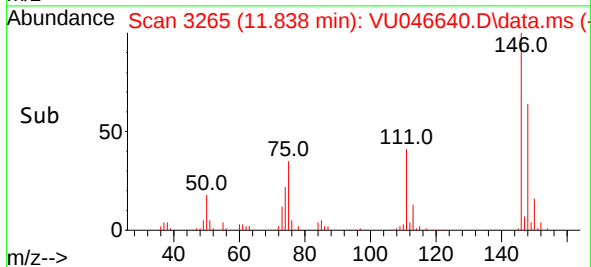
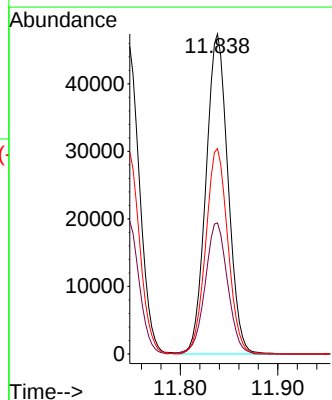
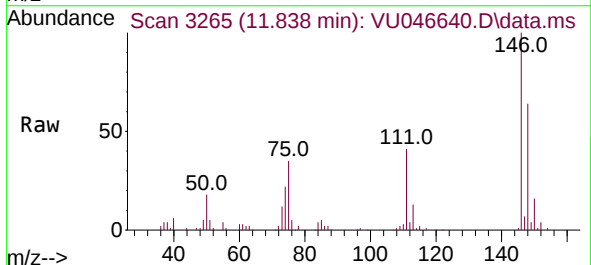
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

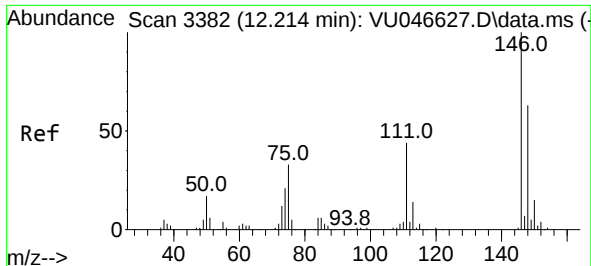
Tgt Ion:146 Resp: 72527
Ion Ratio Lower Upper
146 100
111 43.2 29.9 55.5
148 65.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.510 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion:146 Resp: 74427
Ion Ratio Lower Upper
146 100
111 41.0 28.7 53.3
148 64.1 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.191 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

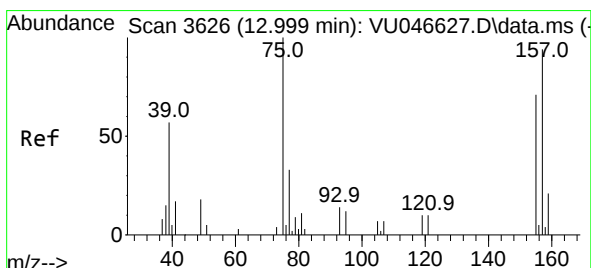
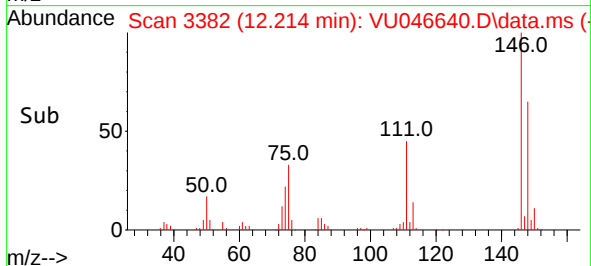
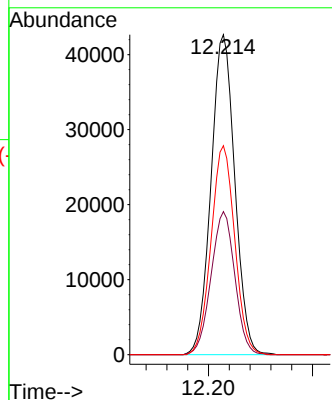
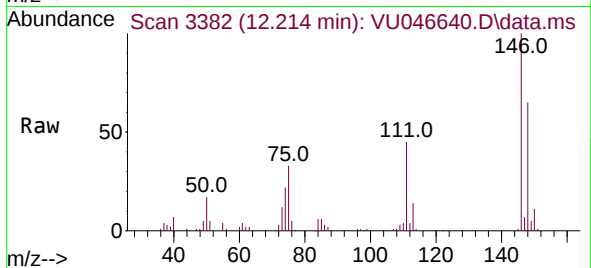
Tgt Ion:146 Resp: 67760

Ion Ratio Lower Upper

146 100

111 44.7 35.4 53.0

148 65.3 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.405 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046640.D

Acq: 29 Dec 2021 21:02

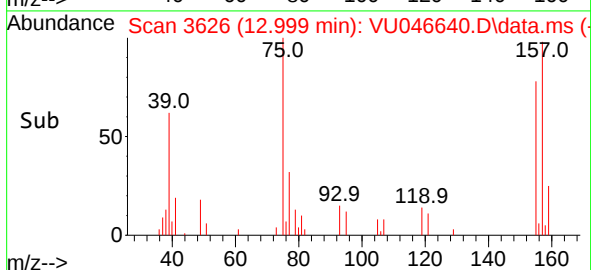
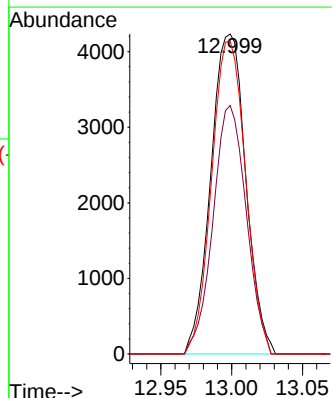
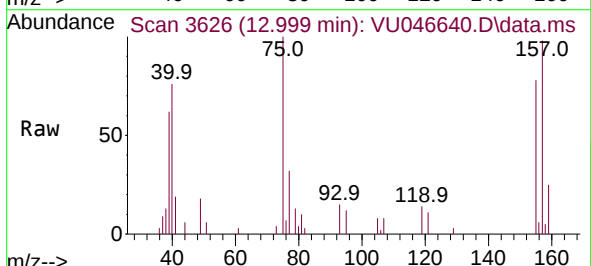
Tgt Ion: 75 Resp: 7282

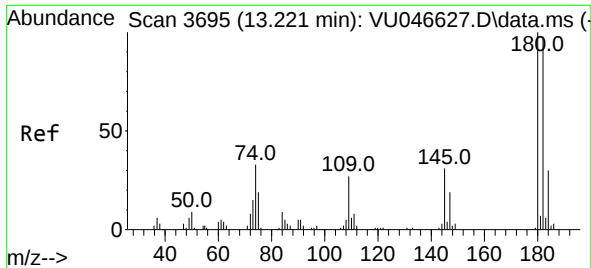
Ion Ratio Lower Upper

75 100

155 77.6 59.2 88.8

157 97.9 76.5 114.7

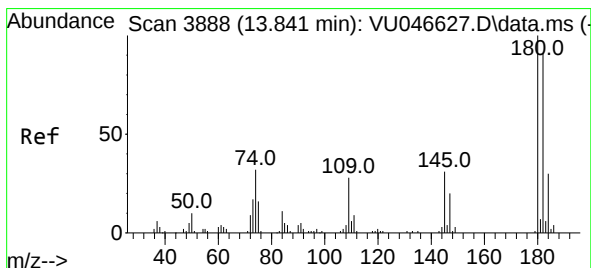
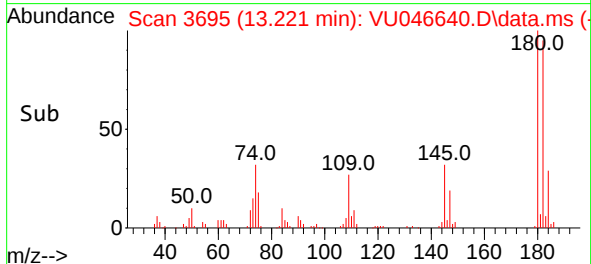
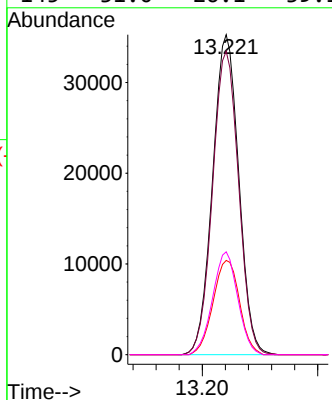
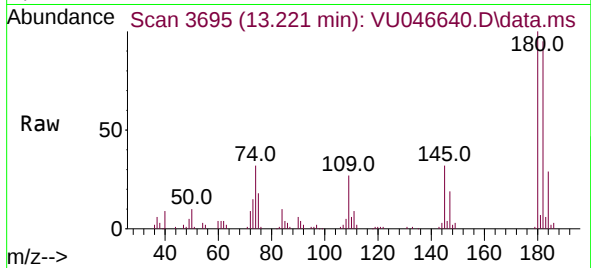




#69
 1,3,5-Trichlorobenzene
 Concen: 4.538 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046640.D
 Acq: 29 Dec 2021 21:02

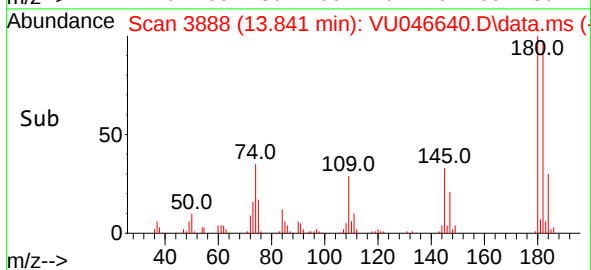
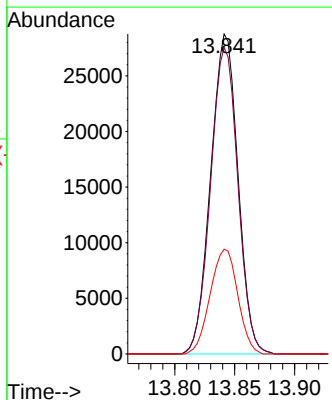
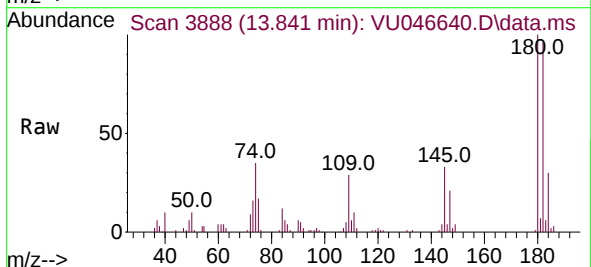
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

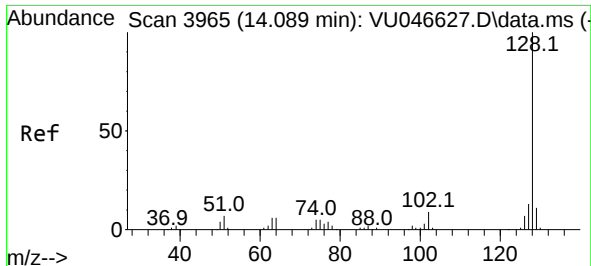
Tgt Ion:	180	Resp:	55357
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.1	114.1
184	29.9	25.0	37.4
145	31.0	26.1	39.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.404 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046640.D
 Acq: 29 Dec 2021 21:02

Tgt Ion:	180	Resp:	45510
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.4	114.6
145	33.1	25.6	38.4

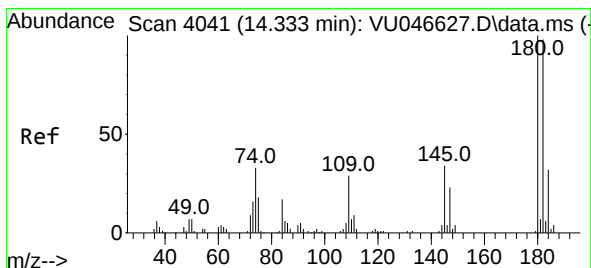
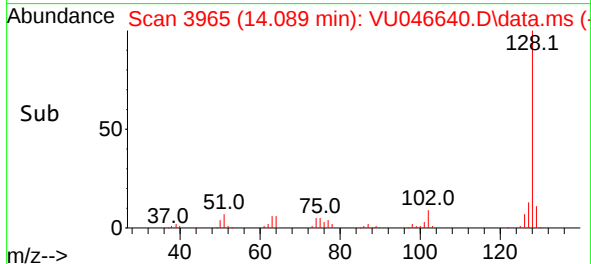
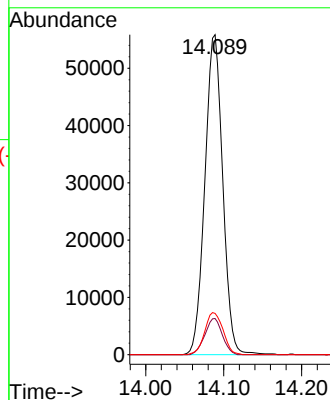
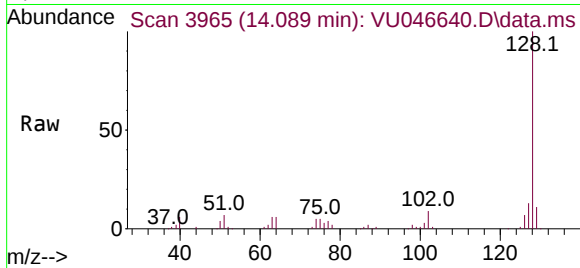




#71
Naphthalene
Concen: 3.874 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:	128	Resp:	88907
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.4	12.6
127	13.5	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.590 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046640.D
Acq: 29 Dec 2021 21:02

Tgt Ion:	180	Resp:	46961
Ion Ratio	Lower	Upper	
180	100		
182	97.2	76.2	114.4
145	34.6	28.4	42.6

