

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122921\
 Data File : VU046638.D
 Acq On : 29 Dec 2021 20:13
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

Quant Time: Dec 30 04:24:18 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	63528	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	68023	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	40708	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	35520	7.098	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 142.000%#	
7) Chloroethane-d5	1.919	69	25720	6.527	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 130.600%#	
11) 1,1-Dichloroethene-d2	2.571	65	14589	6.914	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 138.200%#	
20) 2-Butanone-d5	4.649	46	88762	61.153	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 122.300%	
24) Chloroform-d	5.070	84	60737	6.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 132.400%#	
26) 1,2-Dichloroethane-d4	5.706	65	33055	6.306	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 126.200%	
32) Benzene-d6	5.732	84	113482	5.985	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 119.600%	
36) 1,2-Dichloropropane-d6	6.694	67	34591	6.071	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 121.400%	
41) Toluene-d8	7.899	98	103895	6.037	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 120.800%	
43) trans-1,3-Dichloroprop...	8.182	79	14945	5.671	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 113.400%	
46) 2-Hexanone-d5	8.636	63	77936	50.372	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 100.740%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33293	5.693	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 113.800%	
66) 1,2-Dichlorobenzene-d4	12.195	152	36860	4.916	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 98.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	48942	5.035	ug/L	99
3) Chloromethane	1.523	50	33484	4.000	ug/L	99
5) Vinyl chloride	1.607	62	36971	4.485	ug/L	98
6) Bromomethane	1.864	94	11727	2.364	ug/L	99
8) Chloroethane	1.941	64	22410	4.631	ug/L	98
9) Trichlorofluoromethane	2.144	101	57732	5.355	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	32772	5.971	ug/L	96
12) 1,1-Dichloroethene	2.588	96	28483	5.097	ug/L	86
13) Acetone	2.668	43	68810	50.565	ug/L	95
14) Carbon disulfide	2.800	76	70888	3.884	ug/L	99
15) Methyl Acetate	2.964	43	14677	5.340	ug/L	94
16) Methylene chloride	3.051	84	36684	5.395	ug/L	94
17) Methyl tert-butyl Ether	3.369	73	79221	4.860	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	28941	4.855	ug/L	96
19) 1,1-Dichloroethane	3.877	63	61605	5.609	ug/L	98
21) 2-Butanone	4.729	43	115294	55.843	ug/L	97
22) cis-1,2-Dichloroethene	4.674	96	33944	5.209	ug/L	97
23) Bromochloromethane	4.980	128	17124	5.280	ug/L	95
25) Chloroform	5.092	83	67800	5.715	ug/L	98

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 Data File : VU046638.D
 Acq On : 29 Dec 2021 20:13
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

Quant Time: Dec 30 04:24:18 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

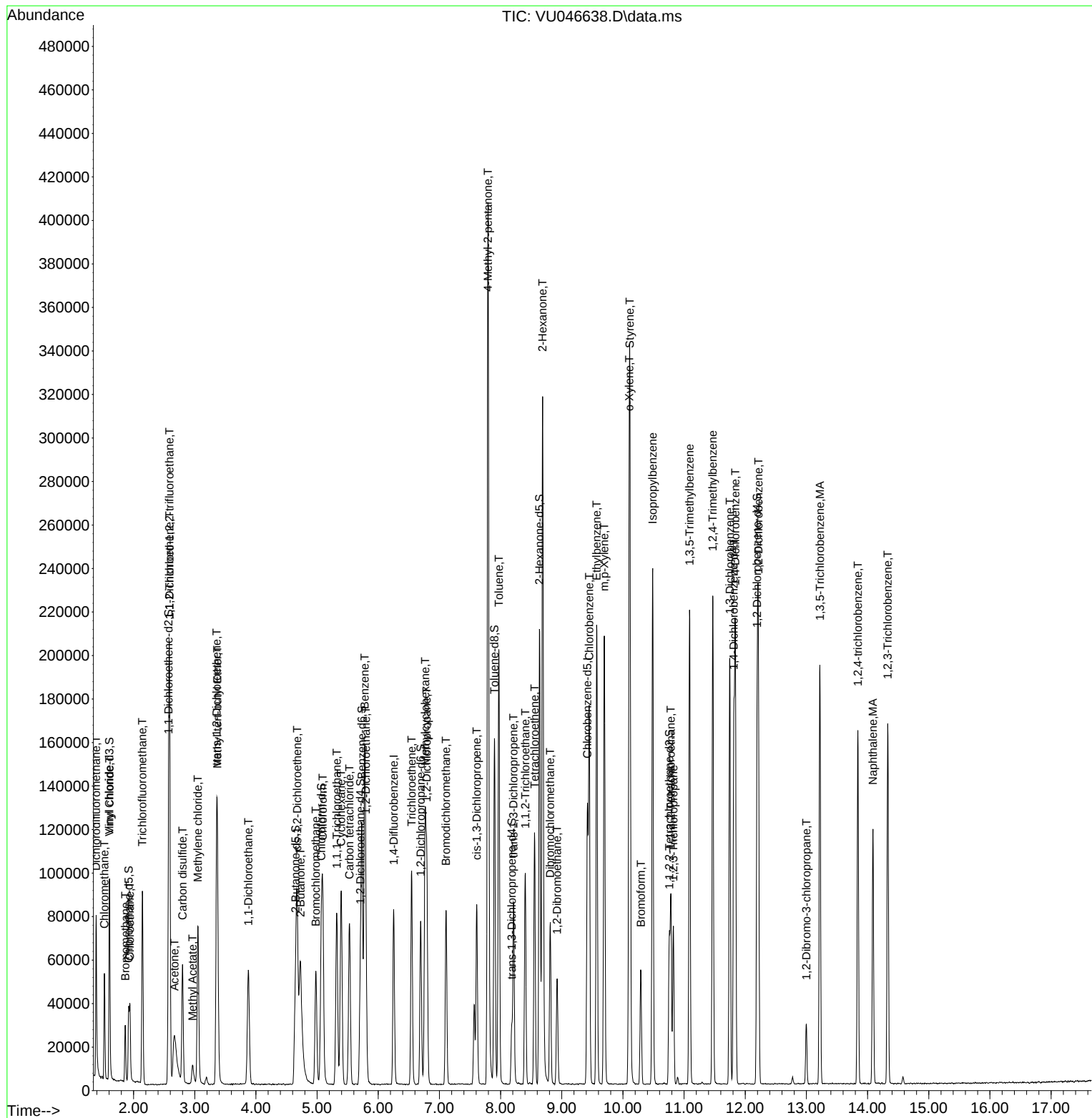
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	46763	5.521	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	57660	5.126	ug/L	100
30) Cyclohexane	5.395	56	40015	4.301	ug/L	96
31) Carbon tetrachloride	5.530	117	51298	5.435	ug/L	100
33) Benzene	5.777	78	132668	4.909	ug/L	100
34) Trichloroethene	6.546	95	33770	4.740	ug/L	94
35) Methylcyclohexane	6.767	83	44408	4.421	ug/L	98
37) 1,2-Dichloropropane	6.793	63	36671	5.319	ug/L	98
38) Bromodichloromethane	7.108	83	52952	5.549	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	50111	4.802	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	261321	50.496	ug/L	98
42) Toluene	7.973	91	143924	5.188	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	47784	4.941	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	29997	5.045	ug/L	96
47) Tetrachloroethene	8.555	164	24828	4.925	ug/L	96
48) 2-Hexanone	8.687	43	195976	50.707	ug/L	99
49) Dibromochloromethane	8.812	129	38239	5.576	ug/L	100
50) 1,2-Dibromoethane	8.925	107	27413	4.777	ug/L #	95
51) Chlorobenzene	9.449	112	89936	5.072	ug/L	99
52) Ethylbenzene	9.571	91	145565	5.069	ug/L	98
53) m,p-Xylene	9.697	106	58109	5.282	ug/L	98
54) o-Xylene	10.102	106	55358	5.237	ug/L	94
55) Styrene	10.115	104	105211	5.738	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	41901	5.393	ug/L	95
59) Bromoform	10.295	173	23556	5.009	ug/L	99
60) Isopropylbenzene	10.488	105	150737	4.801	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	29985	4.435	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	115960	4.441	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	122616	4.663	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	77917	5.106	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	78791	5.043	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	73380	4.794	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	7573	4.839	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	56058	4.854	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	46949	4.799	ug/L	99
71) Naphthalene	14.089	128	90925	4.185	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	49075	5.067	ug/L	99

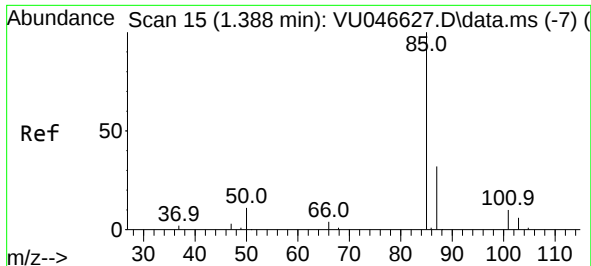
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 Data File : VU046638.D
 Acq On : 29 Dec 2021 20:13
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

Quant Time: Dec 30 04:24:18 2021
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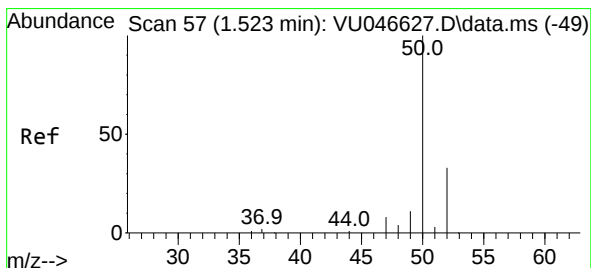
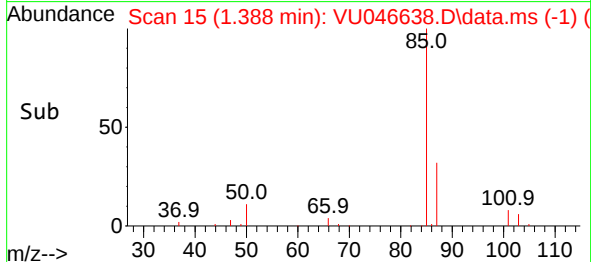
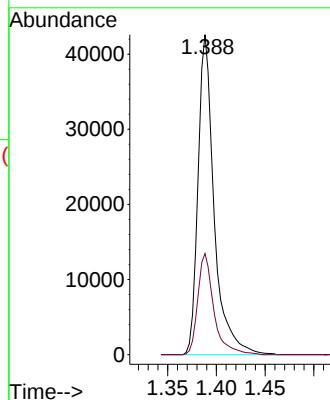
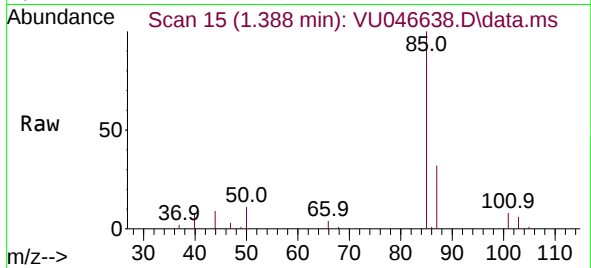




#2
Dichlorodifluoromethane
Concen: 5.035 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

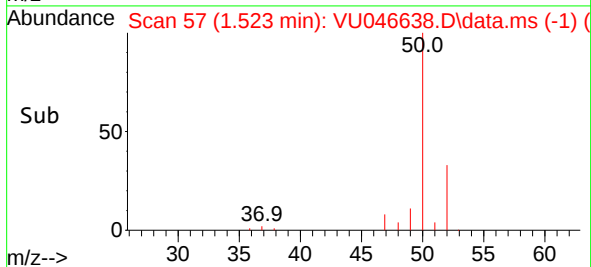
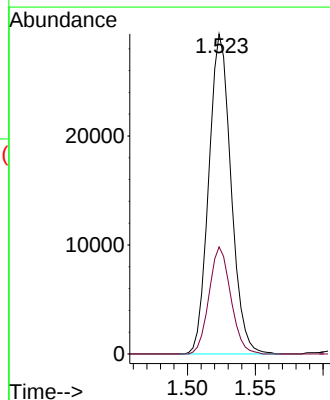
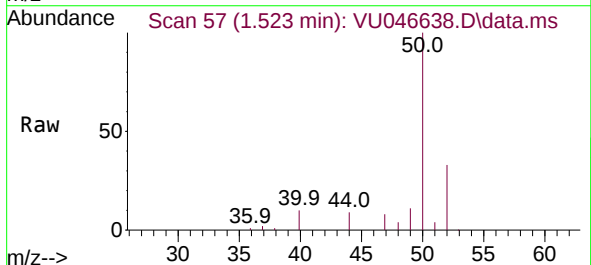
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

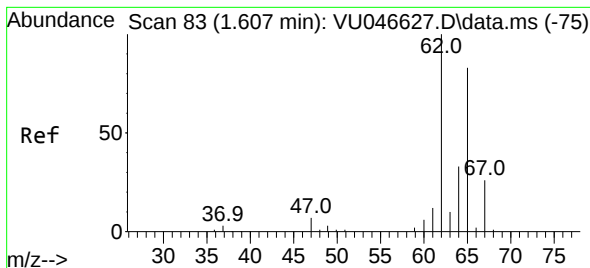
Tgt Ion: 85 Resp: 48942
Ion Ratio Lower Upper
85 100
87 31.5 25.8 38.6



#3
Chloromethane
Concen: 4.000 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion: 50 Resp: 33484
Ion Ratio Lower Upper
50 100
52 33.4 23.0 42.8





#5

Vinyl chloride

Concen: 4.485 ug/L

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

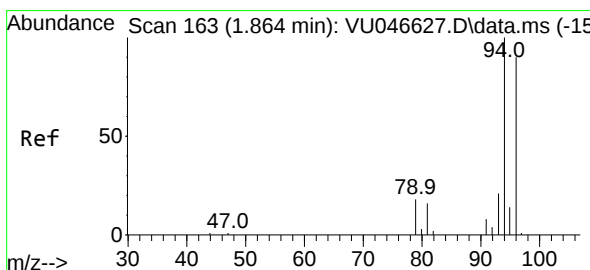
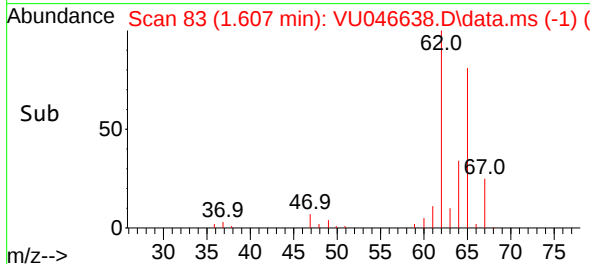
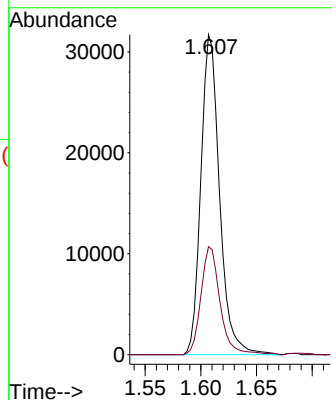
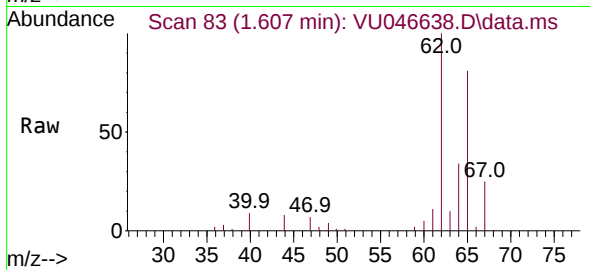
VSTD005150

Tgt Ion: 62 Resp: 36971

Ion Ratio Lower Upper

62 100

64 33.7 22.9 42.5



#6

Bromomethane

Concen: 2.364 ug/L

RT: 1.864 min Scan# 163

Delta R.T. -0.000 min

Lab File: VU046638.D

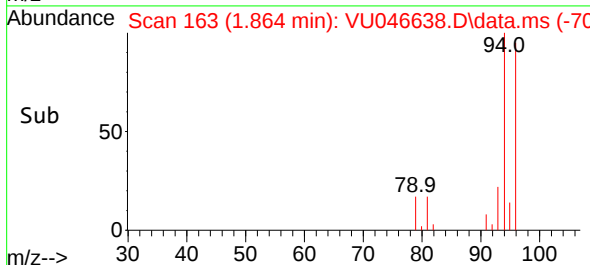
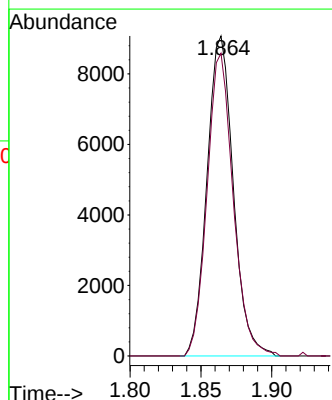
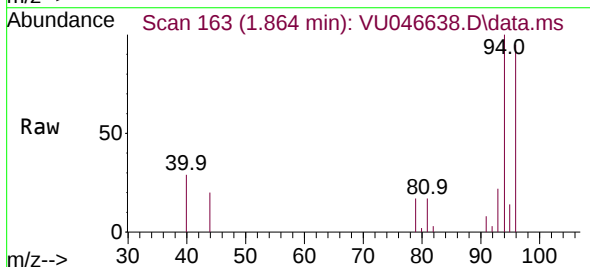
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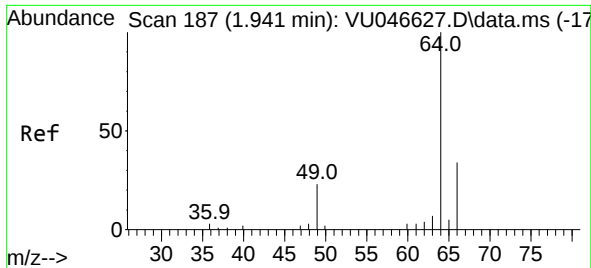
Tgt Ion: 94 Resp: 11727

Ion Ratio Lower Upper

94 100

96 94.6 65.5 121.6

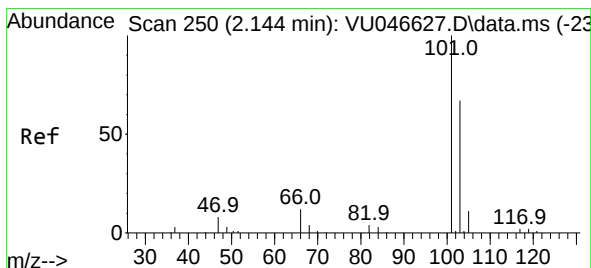
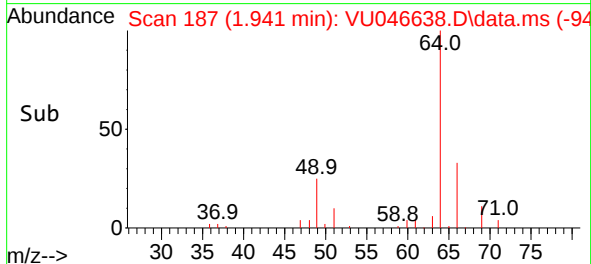
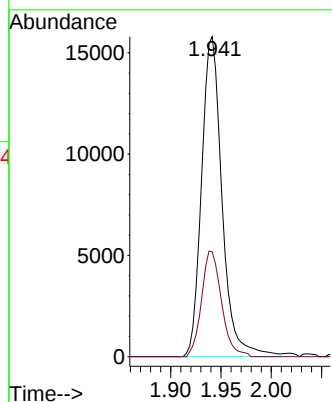
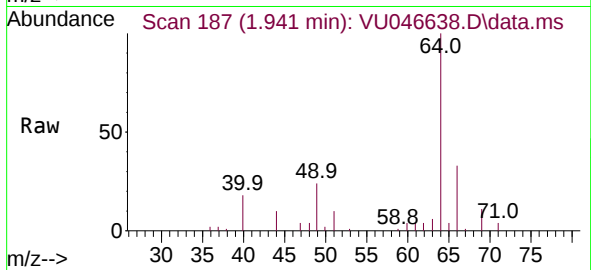




#8
Chloroethane
Concen: 4.631 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

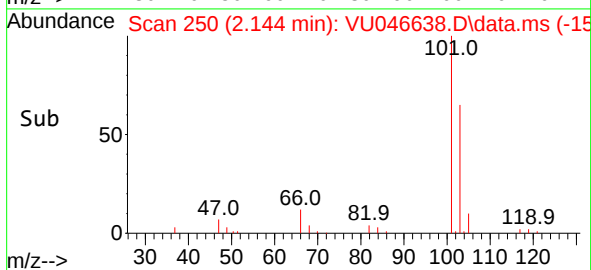
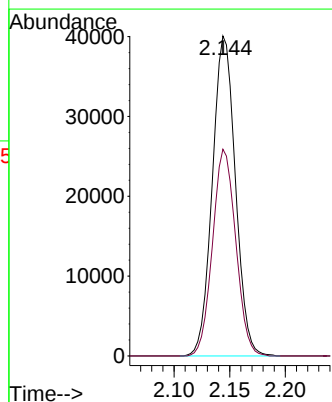
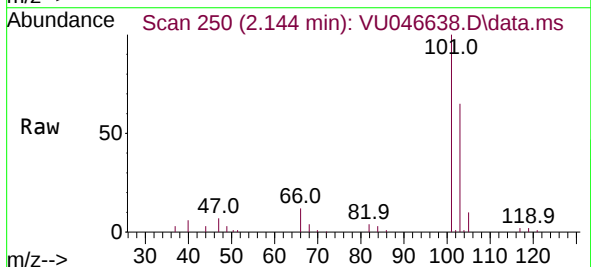
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

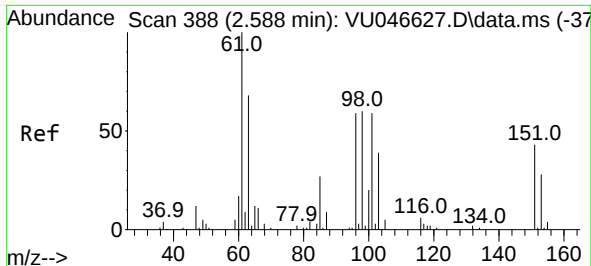
Tgt Ion: 64 Resp: 22410
Ion Ratio Lower Upper
64 100
66 32.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.355 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion:101 Resp: 57732
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

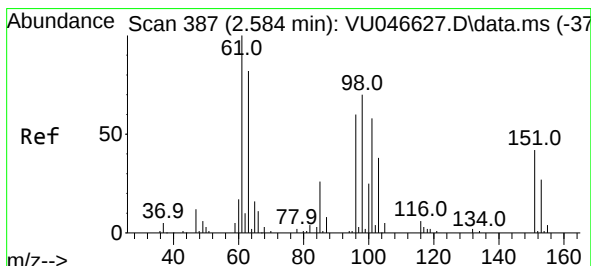
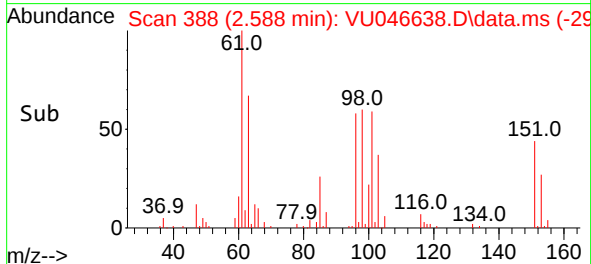
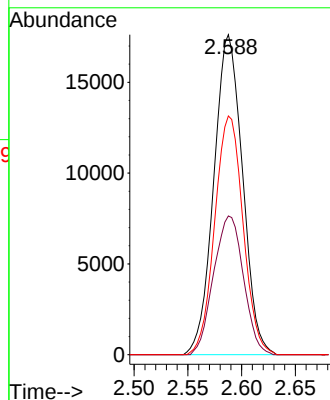
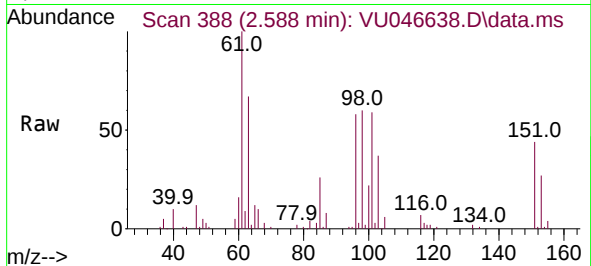




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.971 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046638.D
 Acq: 29 Dec 2021 20:13

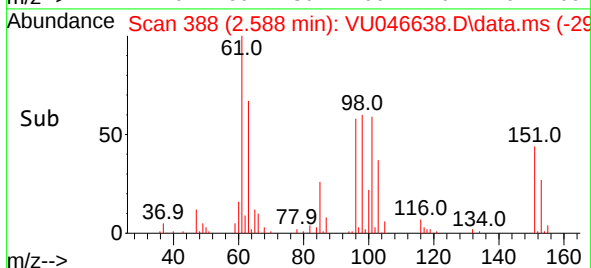
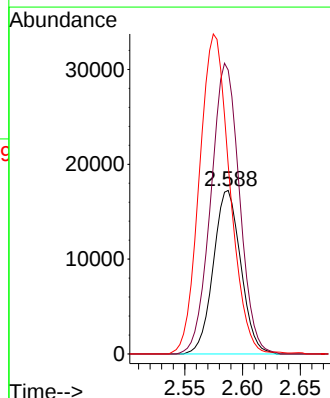
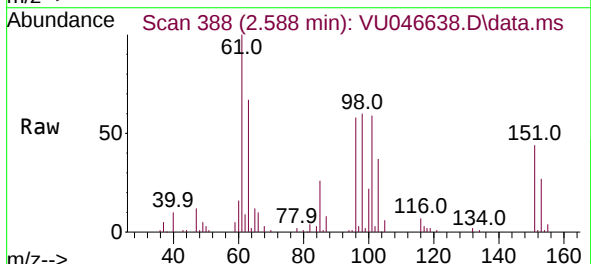
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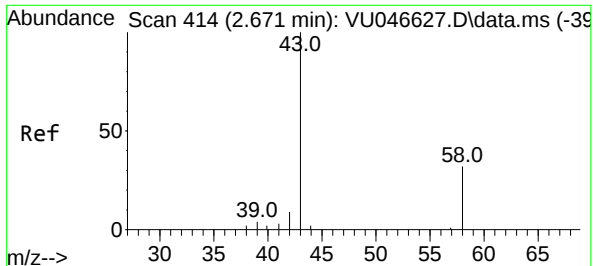
Tgt Ion:101 Resp: 32772
 Ion Ratio Lower Upper
 101 100
 85 45.0 34.6 51.8
 151 73.6 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 5.097 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046638.D
 Acq: 29 Dec 2021 20:13

Tgt Ion: 96 Resp: 28483
 Ion Ratio Lower Upper
 96 100
 61 173.6 124.7 231.5
 63 115.8 105.2 195.4





#13

Acetone

Concen: 50.565 ug/L

RT: 2.668 min Scan# 413

Delta R.T. -0.003 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

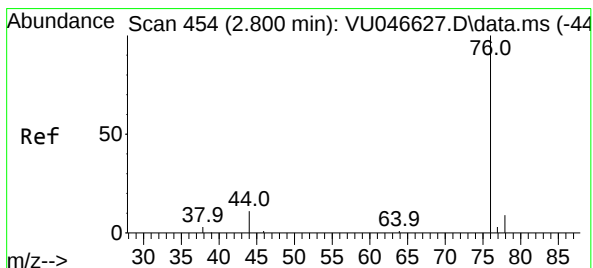
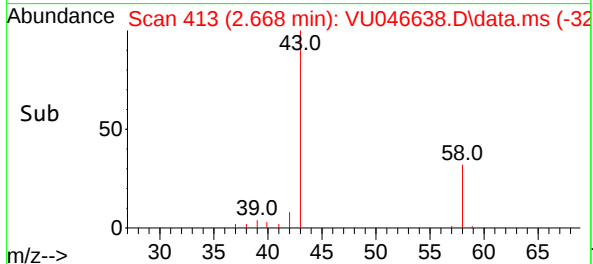
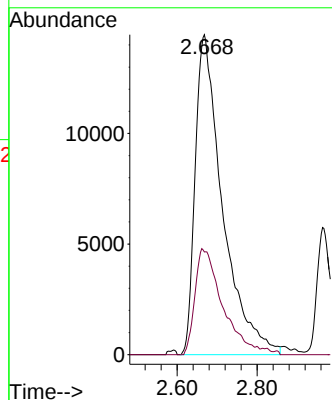
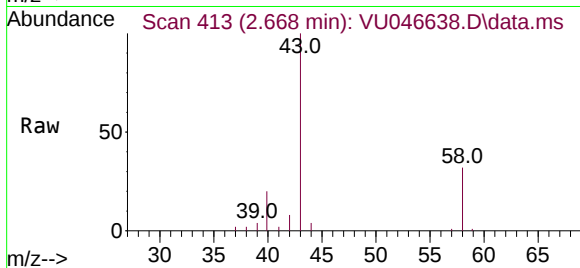
VSTD005150

Tgt Ion: 43 Resp: 68810

Ion Ratio Lower Upper

43 100

58 33.1 0.0 71.6



#14

Carbon disulfide

Concen: 3.884 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046638.D

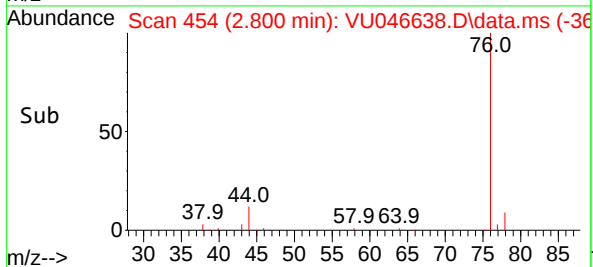
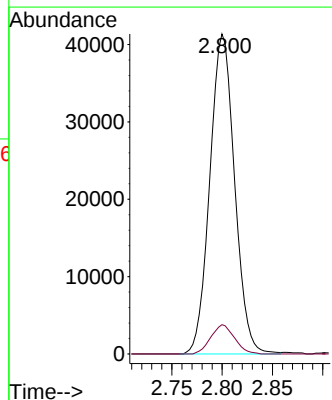
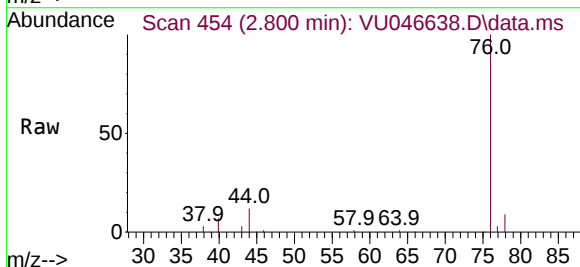
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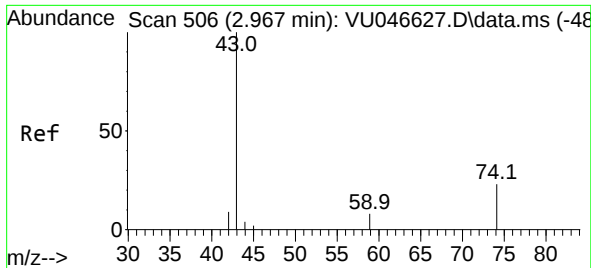
Tgt Ion: 76 Resp: 70888

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

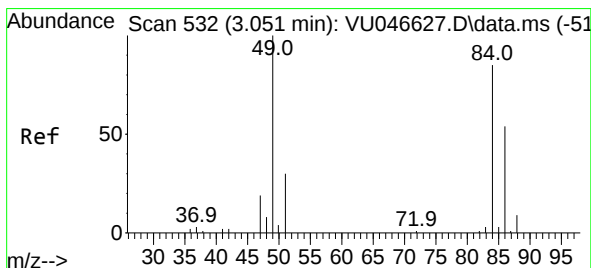
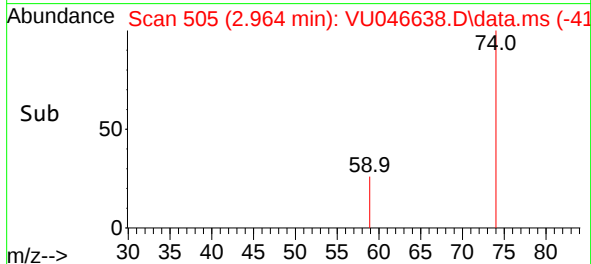
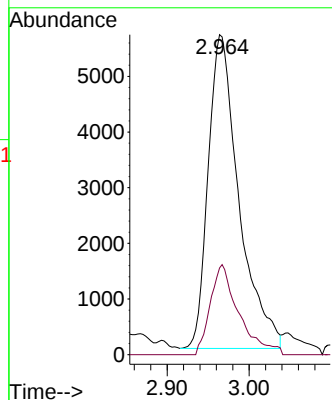
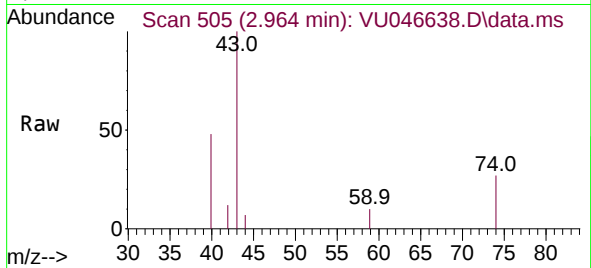




#15
Methyl Acetate
Concen: 5.340 ug/L
RT: 2.964 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

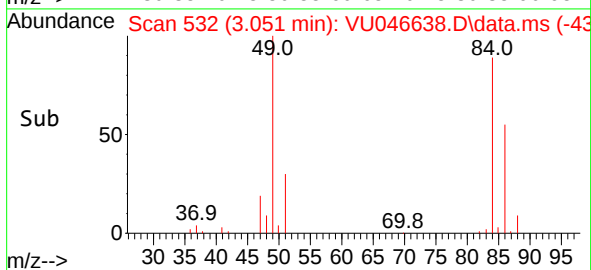
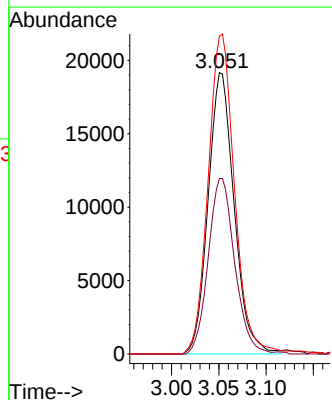
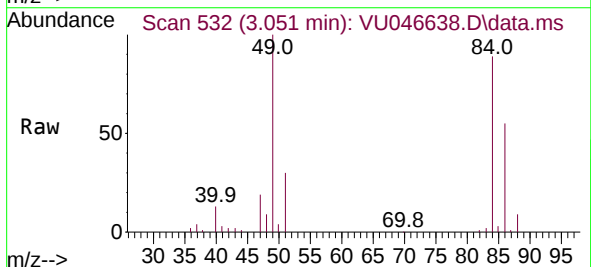
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

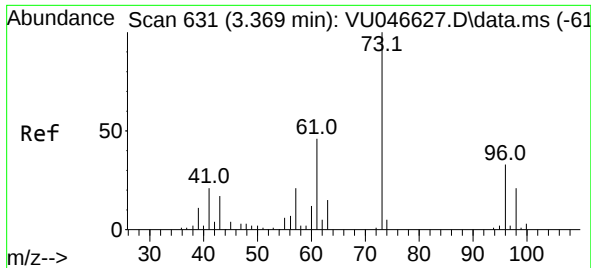
Tgt Ion: 43 Resp: 14677
Ion Ratio Lower Upper
43 100
74 26.6 19.1 28.7



#16
Methylene chloride
Concen: 5.395 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion: 84 Resp: 36684
Ion Ratio Lower Upper
84 100
86 62.4 45.8 85.0
49 113.0 84.5 156.9

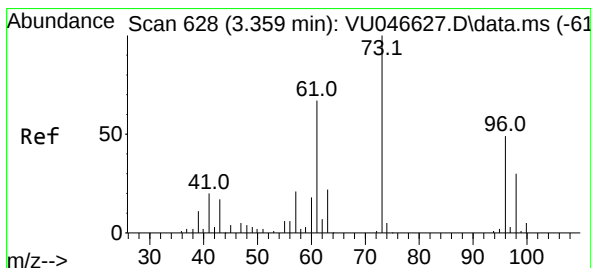
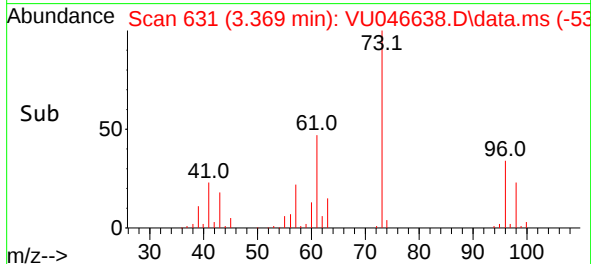
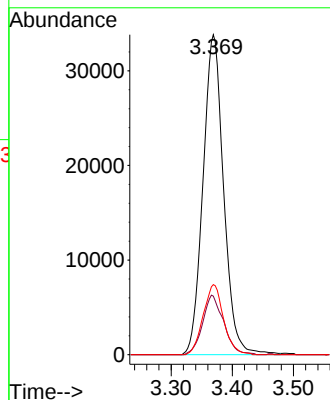
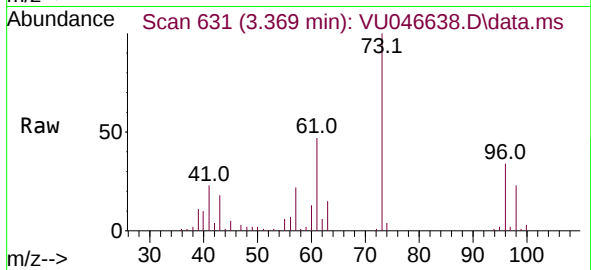




#17
Methyl tert-butyl Ether
Concen: 4.860 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

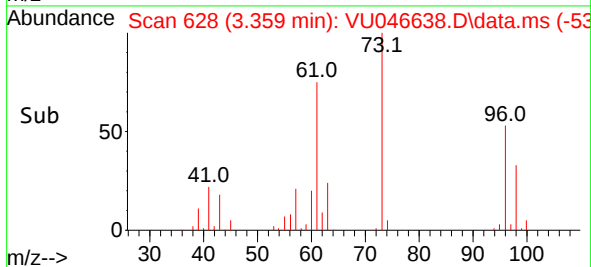
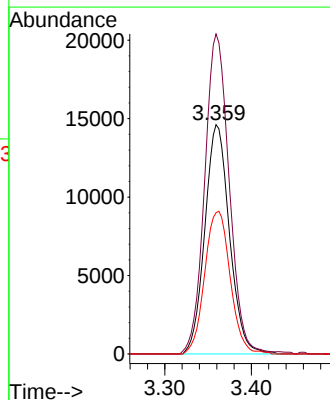
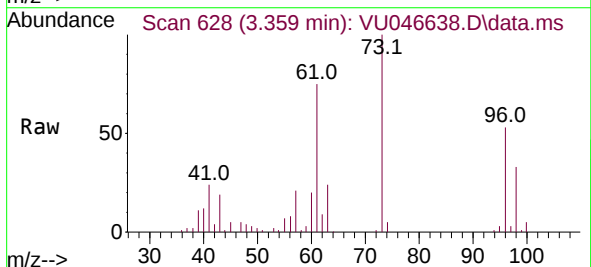
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

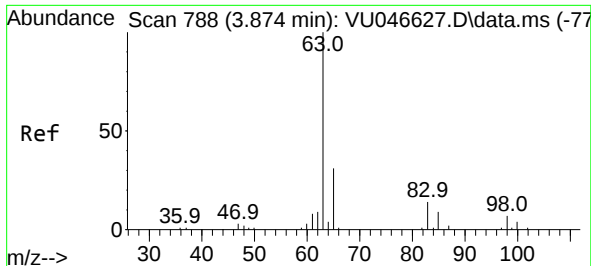
Tgt Ion: 73	Resp: 79221
Ion Ratio	Lower Upper
73 100	
43 18.9	14.8 22.2
57 21.6	17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.855 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion: 96	Resp: 28941
Ion Ratio	Lower Upper
96 100	
61 139.6	100.8 187.2
98 61.7	45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.609 ug/L

RT: 3.877 min Scan# 788

Delta R.T. 0.003 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

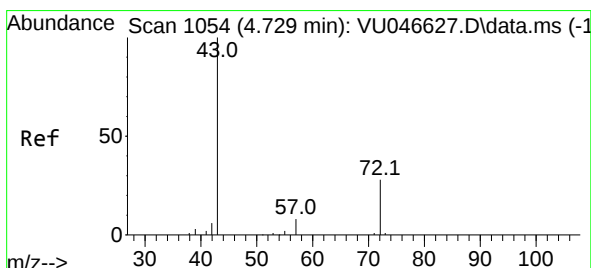
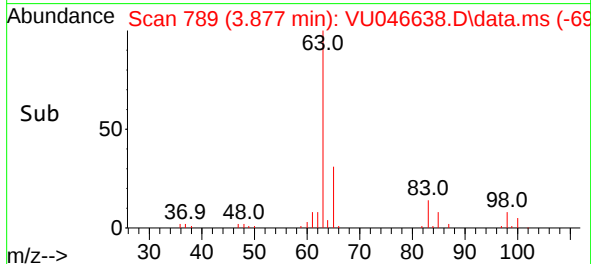
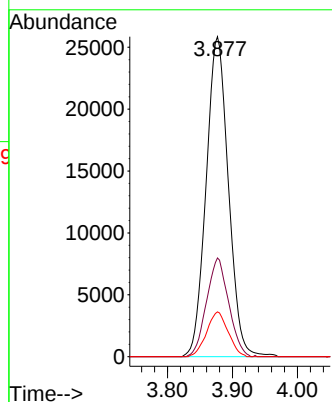
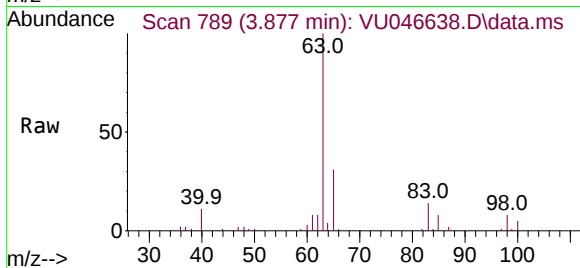
Tgt Ion: 63 Resp: 61605

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.5

83 14.0 9.6 17.8



#21

2-Butanone

Concen: 55.843 ug/L

RT: 4.729 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VU046638.D

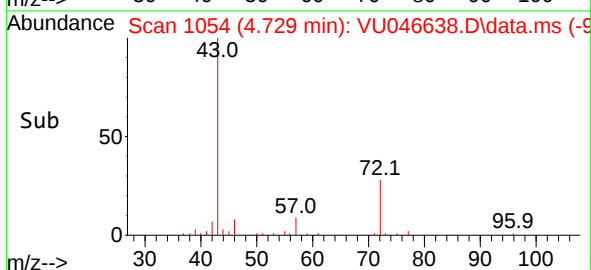
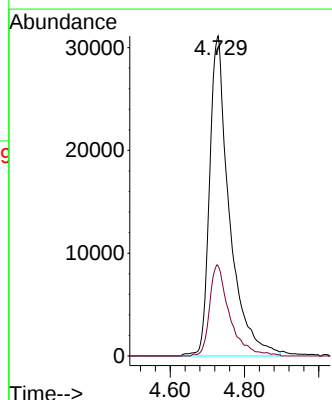
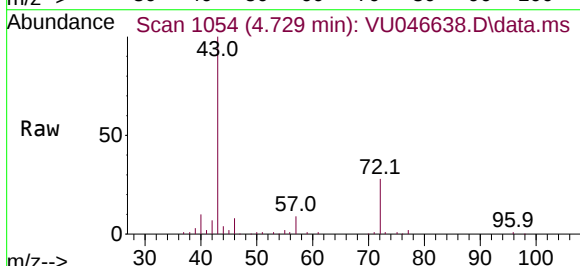
Acq: 29 Dec 2021 20:13

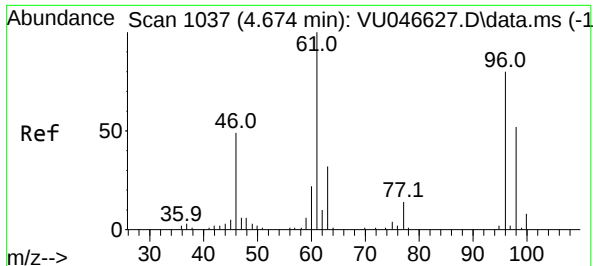
Tgt Ion: 43 Resp: 115294

Ion Ratio Lower Upper

43 100

72 26.9 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.209 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

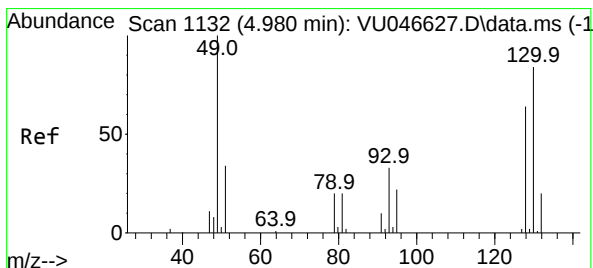
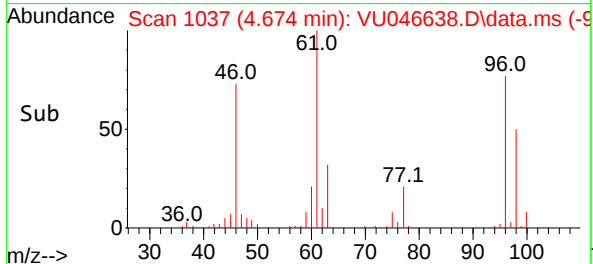
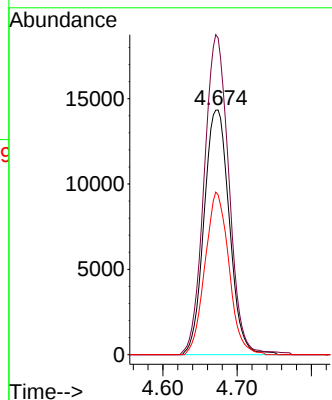
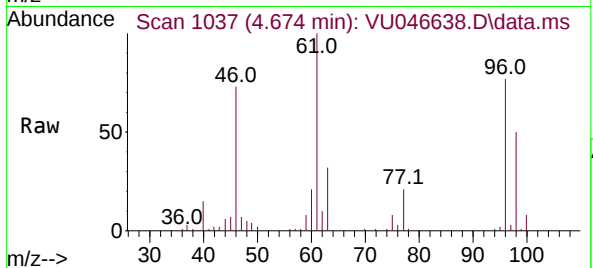
Tgt Ion: 96 Resp: 33944

Ion Ratio Lower Upper

96 100

61 129.4 88.5 164.3

98 65.3 44.4 82.5



#23

Bromochloromethane

Concen: 5.280 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Tgt Ion: 128 Resp: 17124

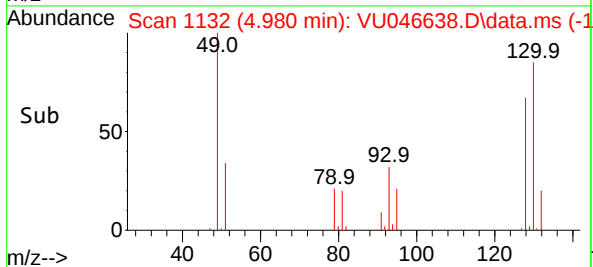
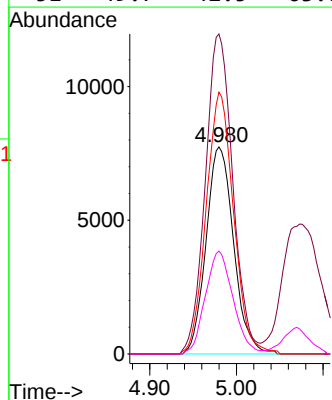
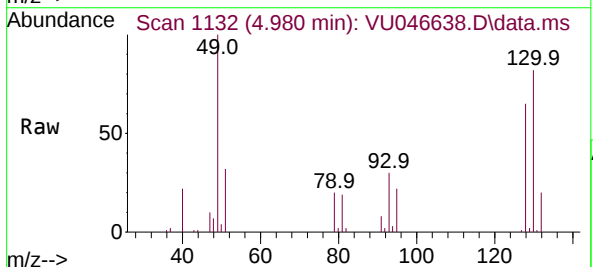
Ion Ratio Lower Upper

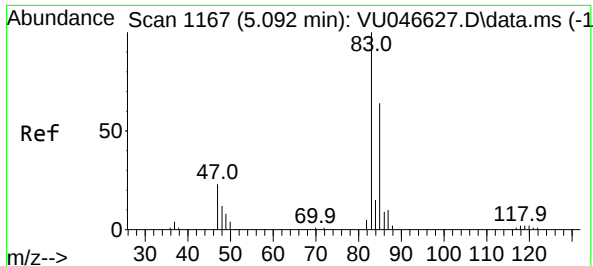
128 100

49 154.6 117.0 217.2

130 126.4 88.2 163.8

51 49.7 42.5 63.7





#25

Chloroform

Concen: 5.715 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

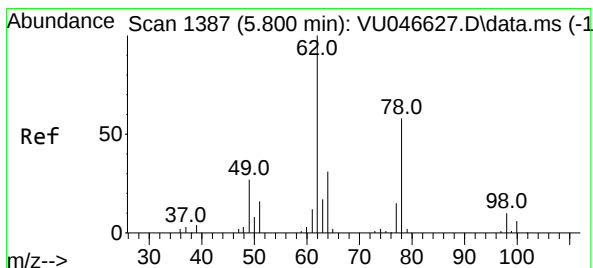
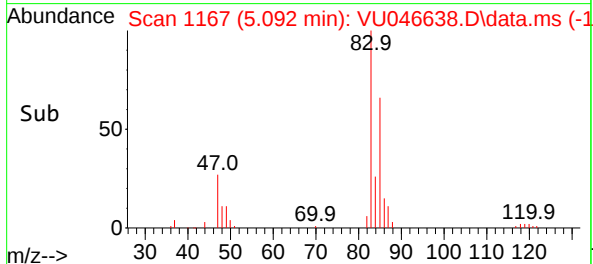
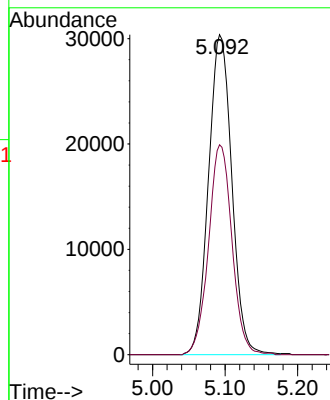
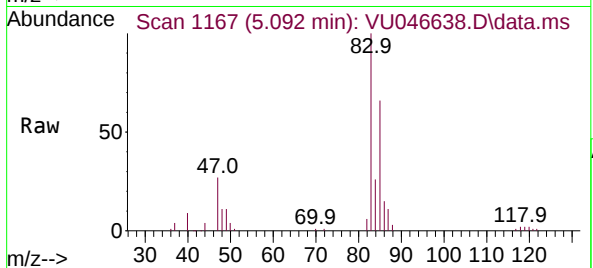
VSTD005150

Tgt Ion: 83 Resp: 67800

Ion Ratio Lower Upper

83 100

85 65.6 46.9 87.1



#27

1,2-Dichloroethane

Concen: 5.521 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046638.D

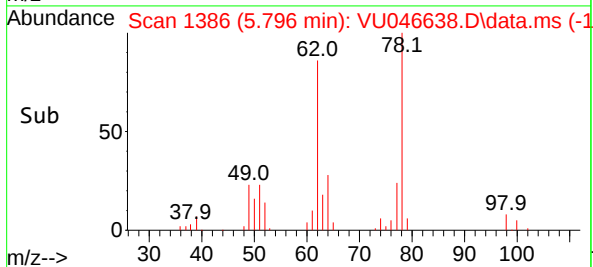
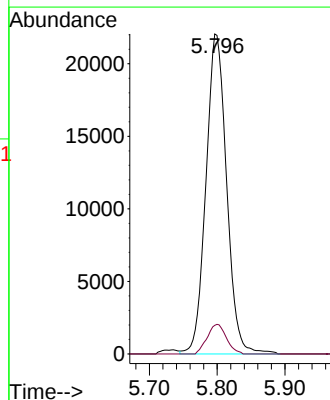
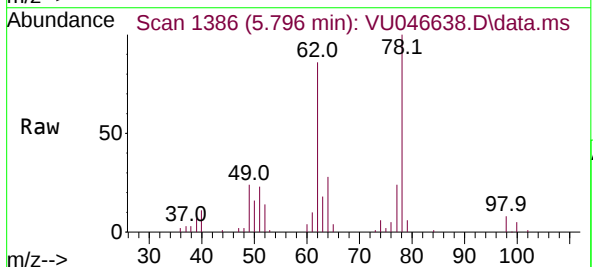
Acq: 29 Dec 2021 20:13

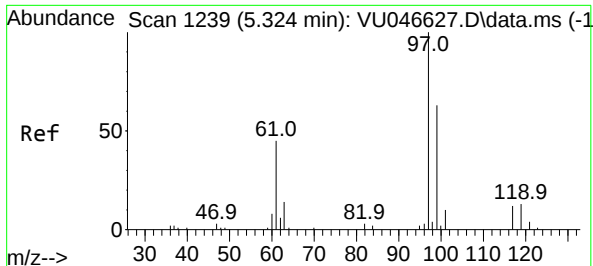
Tgt Ion: 62 Resp: 46763

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.126 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

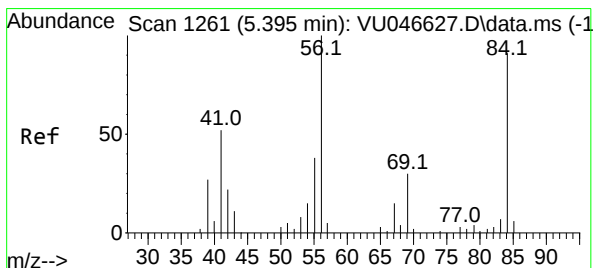
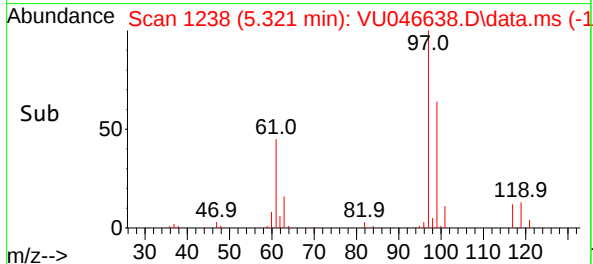
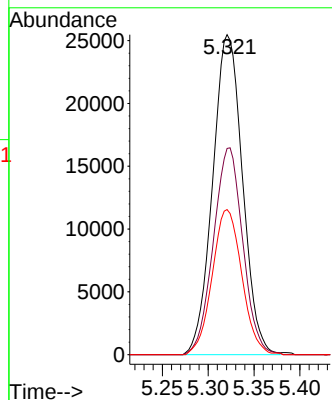
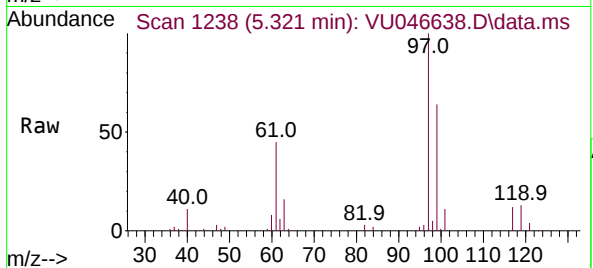
Tgt Ion: 97 Resp: 57660

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 45.0 36.1 54.1



#30

Cyclohexane

Concen: 4.301 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

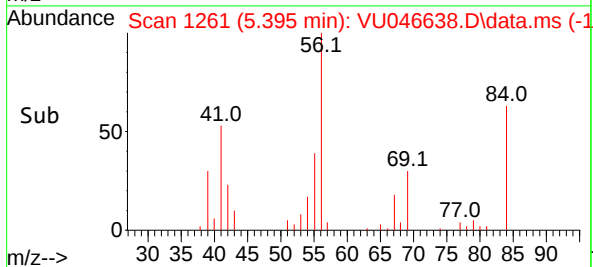
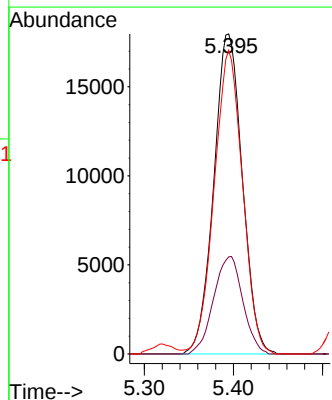
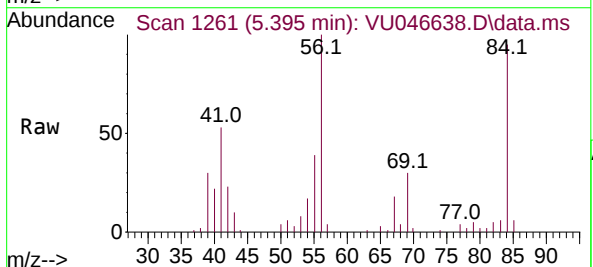
Tgt Ion: 56 Resp: 40015

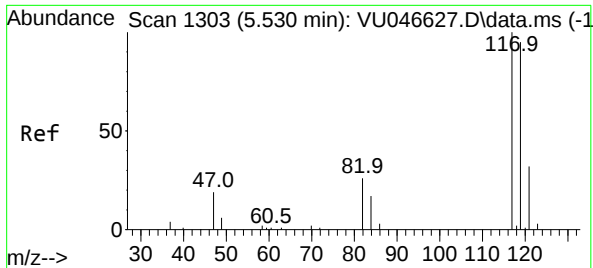
Ion Ratio Lower Upper

56 100

69 31.2 24.7 37.1

84 94.2 71.8 107.6

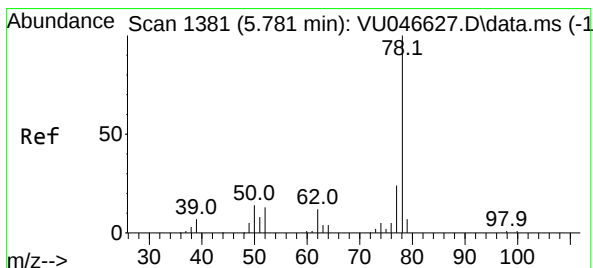
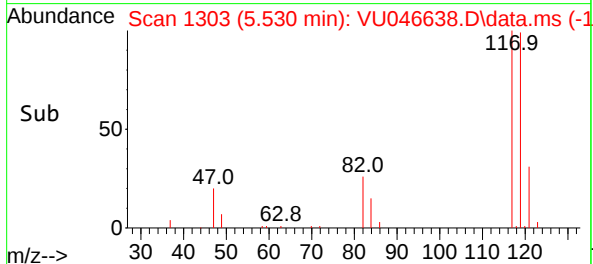
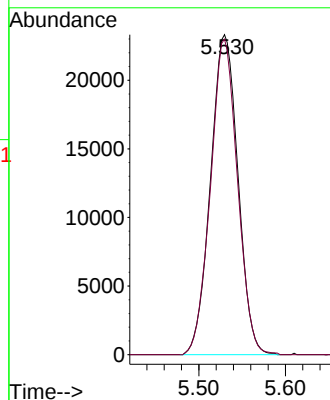
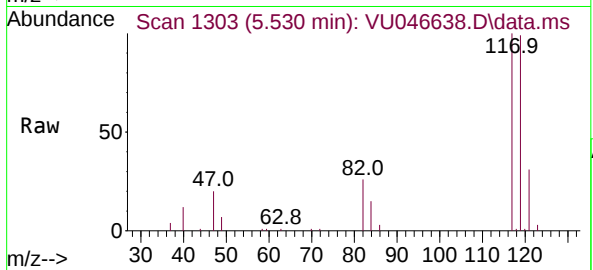




#31
Carbon tetrachloride
Concen: 5.435 ug/L
RT: 5.530 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

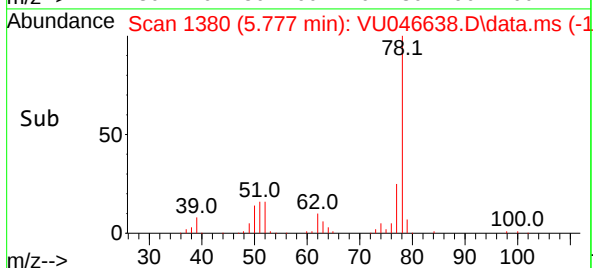
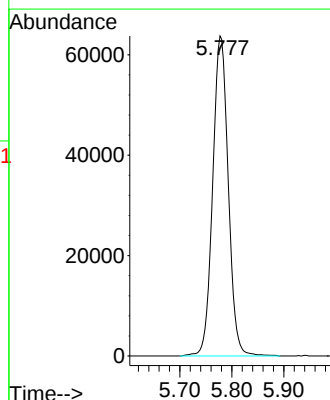
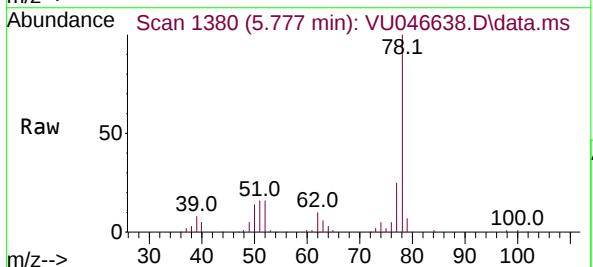
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

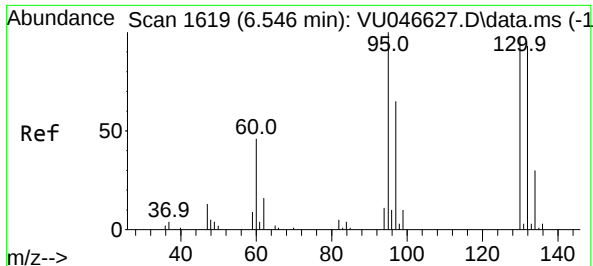
Tgt Ion:117 Resp: 51298
Ion Ratio Lower Upper
117 100
119 97.1 77.5 116.3



#33
Benzene
Concen: 4.909 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion: 78 Resp: 132668

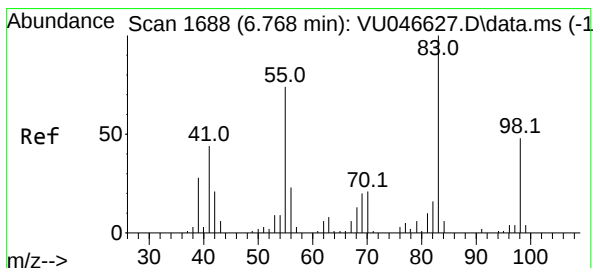
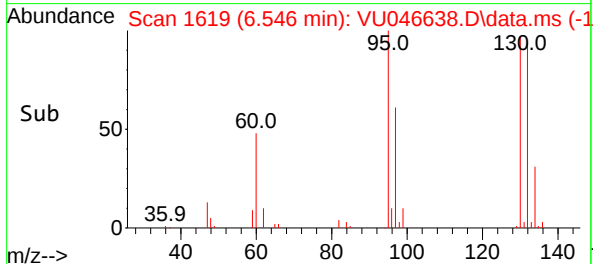
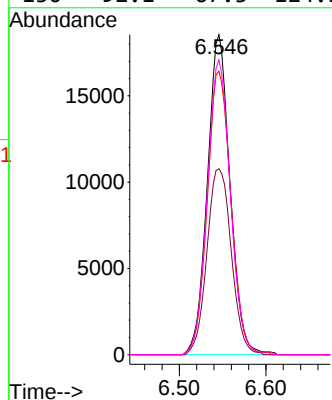
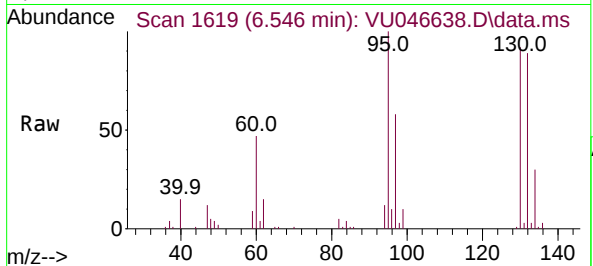




#34
Trichloroethene
Concen: 4.740 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

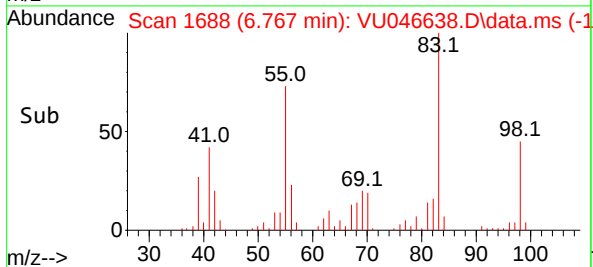
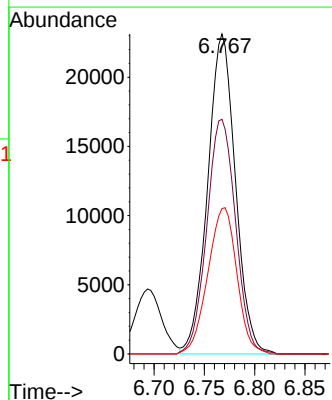
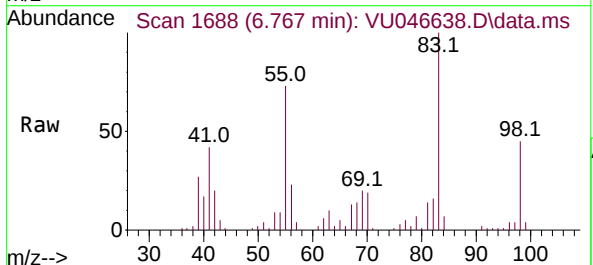
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

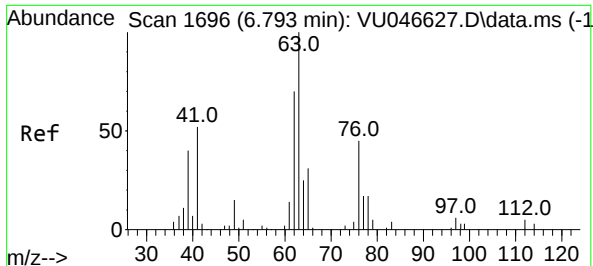
Tgt Ion: 95 Resp: 33770
Ion Ratio Lower Upper
95 100
97 58.1 46.5 86.5
132 88.6 65.1 120.9
130 92.1 67.3 124.9



#35
Methylcyclohexane
Concen: 4.421 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion: 83 Resp: 44408
Ion Ratio Lower Upper
83 100
55 75.9 61.9 92.9
98 47.8 39.0 58.6

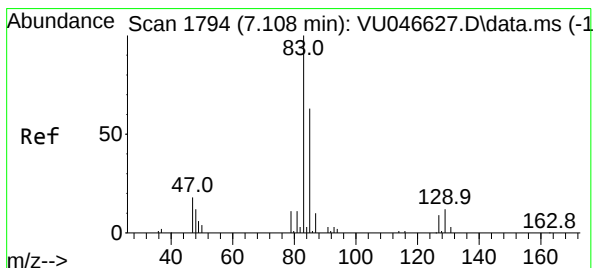
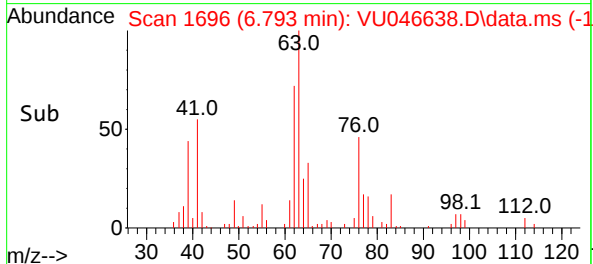
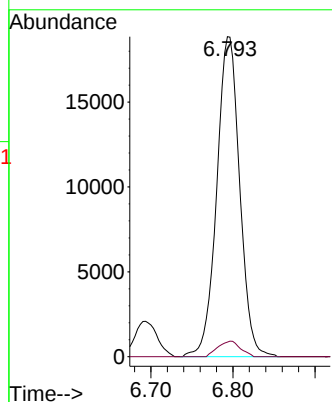
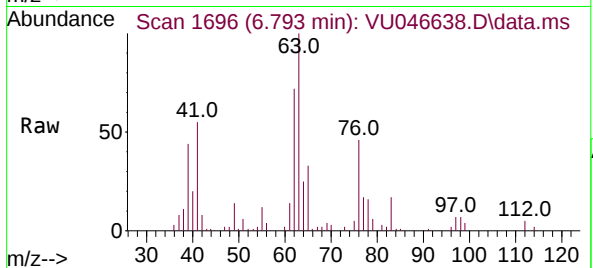




#37
1,2-Dichloropropane
Concen: 5.319 ug/L
RT: 6.793 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

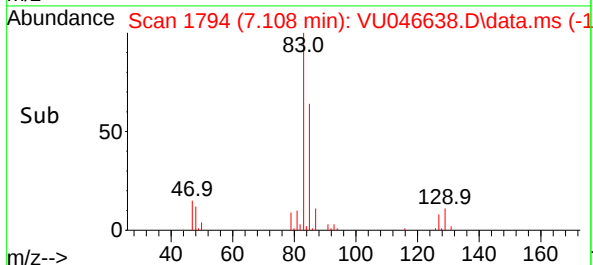
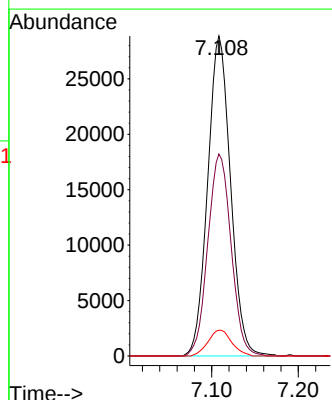
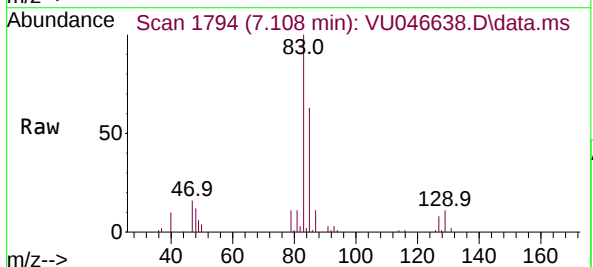
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

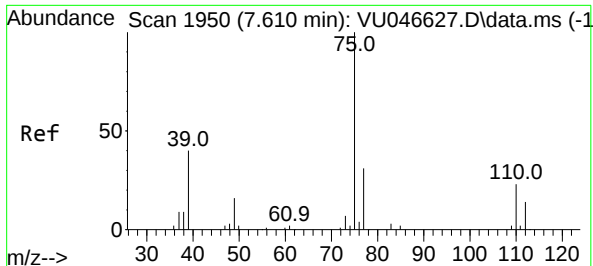
Tgt Ion: 63 Resp: 36671
Ion Ratio Lower Upper
63 100
112 4.7 3.2 4.8



#38
Bromodichloromethane
Concen: 5.549 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion: 83 Resp: 52952
Ion Ratio Lower Upper
83 100
85 63.1 44.0 81.8
127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.802 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

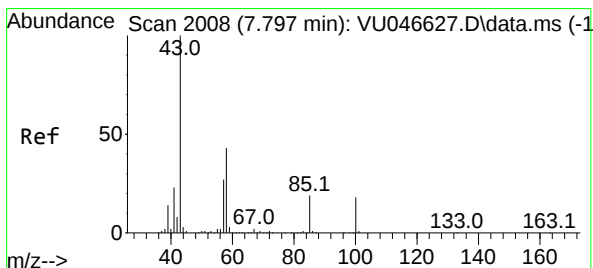
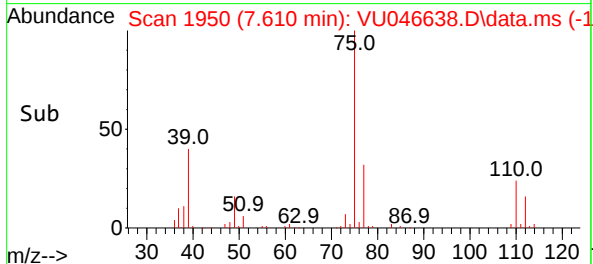
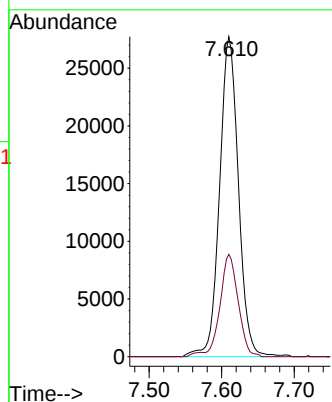
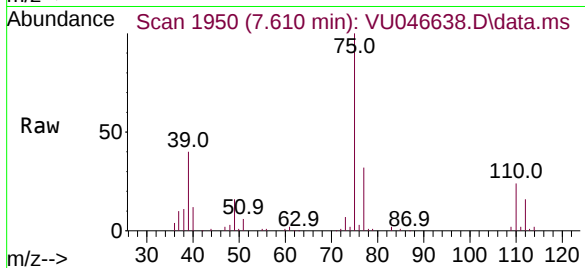
VSTD005150

Tgt Ion: 75 Resp: 50111

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 50.496 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

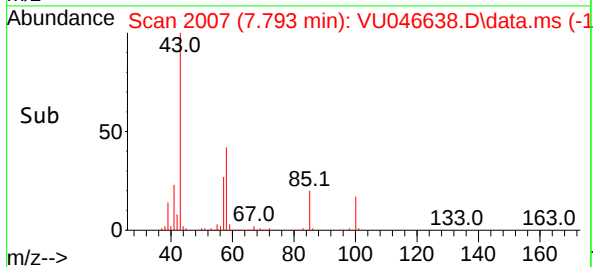
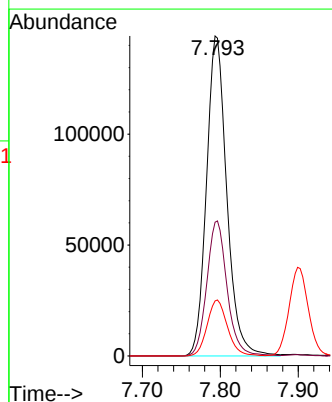
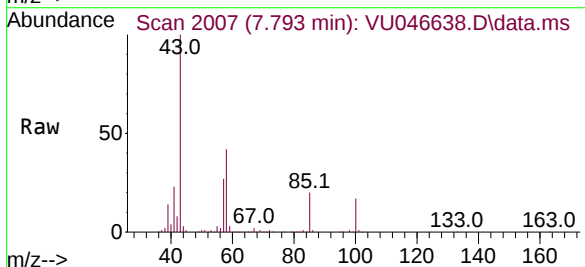
Tgt Ion: 43 Resp: 261321

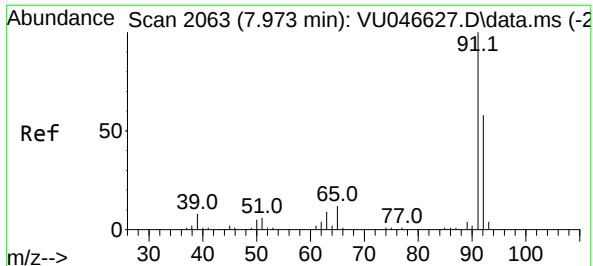
Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7

100 17.5 13.2 19.8





#42

Toluene

Concen: 5.188 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

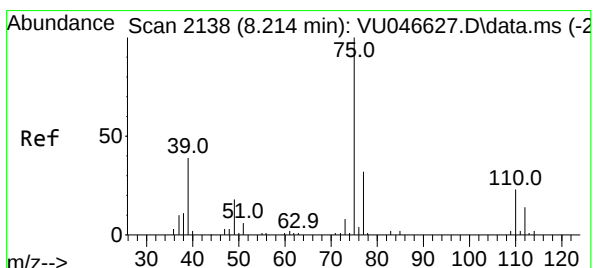
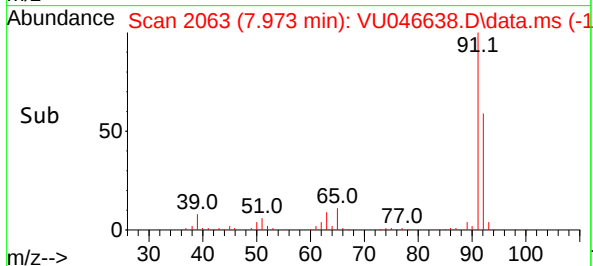
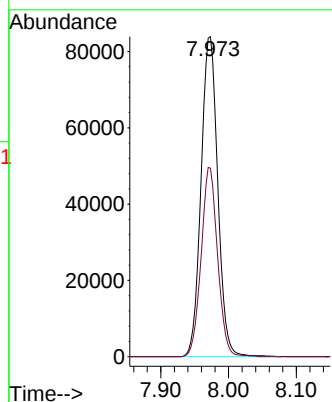
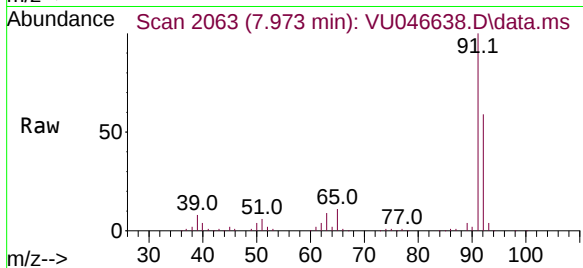
VSTD005150

Tgt Ion: 91 Resp: 143924

Ion Ratio Lower Upper

91 100

92 58.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.941 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046638.D

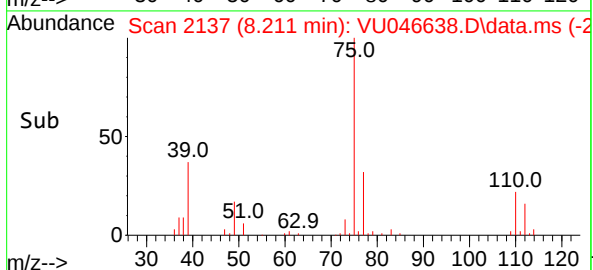
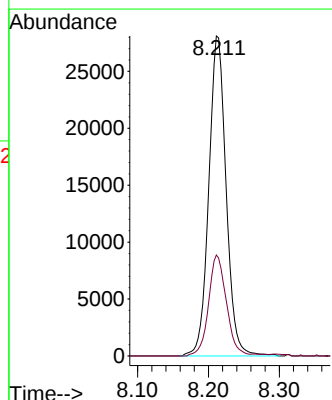
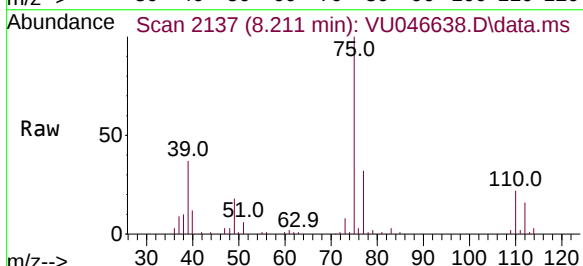
Acq: 29 Dec 2021 20:13

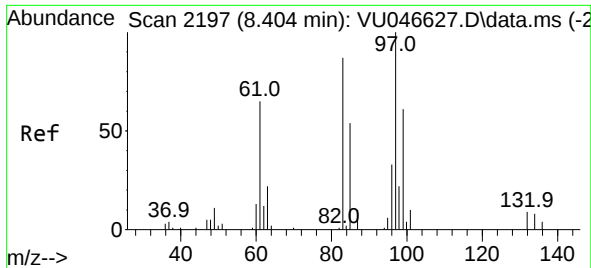
Tgt Ion: 75 Resp: 47784

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.3

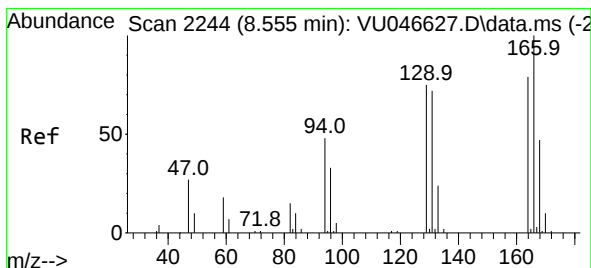
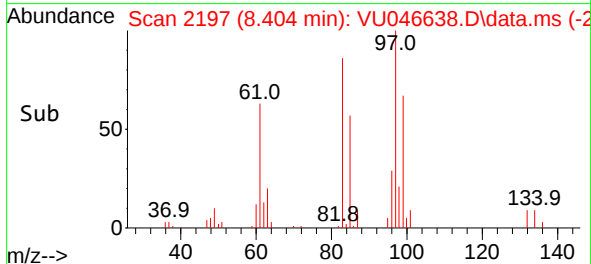
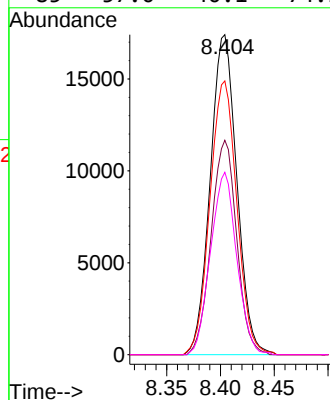
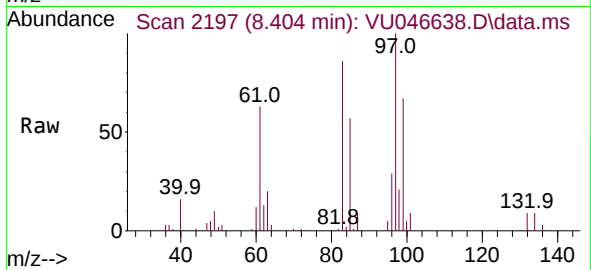




#45
1,1,2-Trichloroethane
Concen: 5.045 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

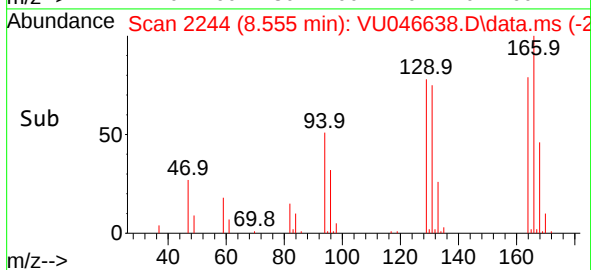
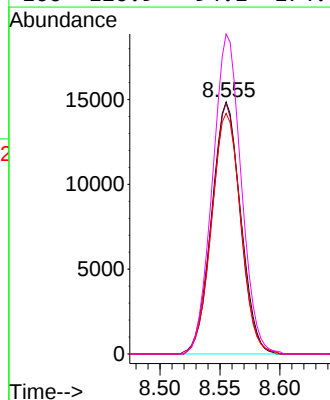
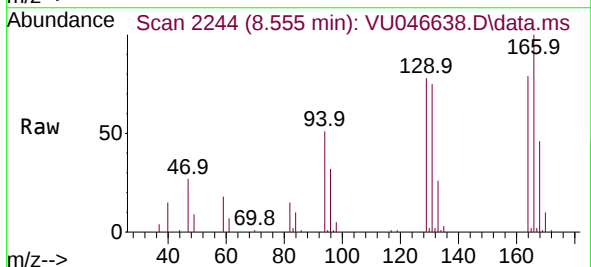
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

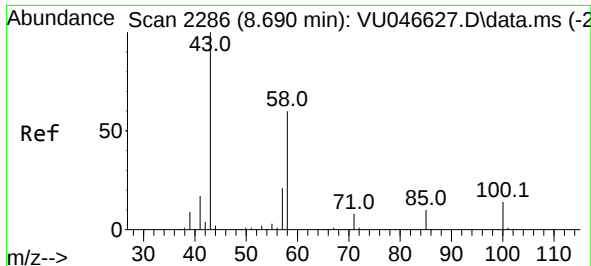
Tgt Ion:	97	Resp:	29997
Ion	Ratio	Lower	Upper
97	100		
99	67.0	42.3	78.5
83	85.5	62.0	115.2
85	57.0	40.1	74.5



#47
Tetrachloroethene
Concen: 4.925 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion:	164	Resp:	24828
Ion	Ratio	Lower	Upper
164	100		
129	99.5	71.8	133.4
131	95.5	68.5	127.3
166	126.9	94.1	174.8

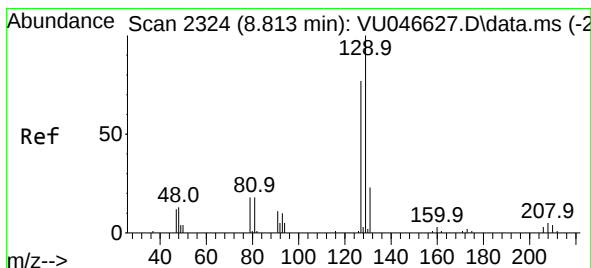
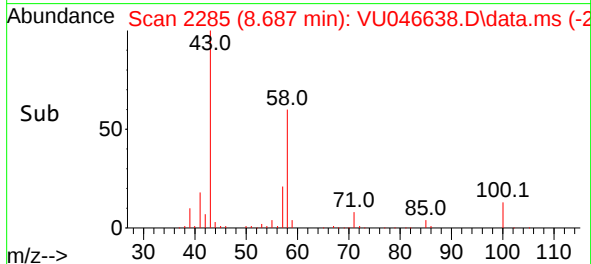
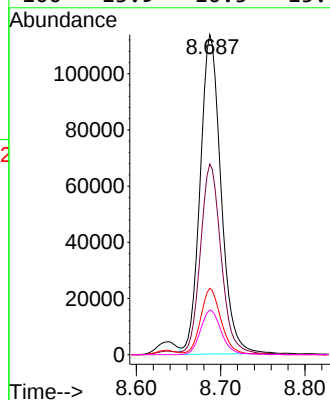
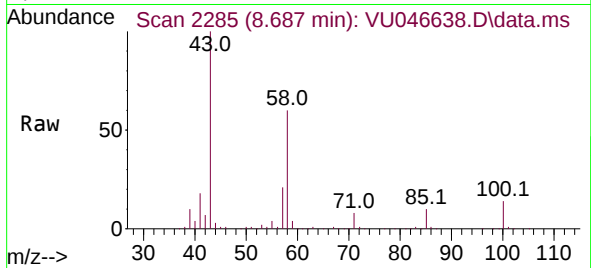




#48
2-Hexanone
Concen: 50.707 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

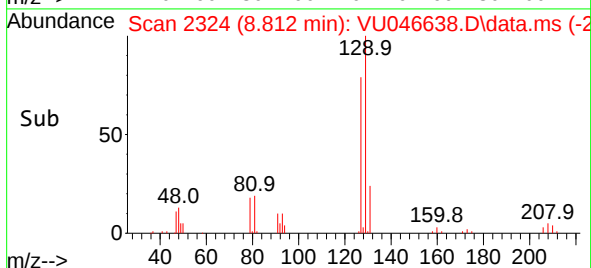
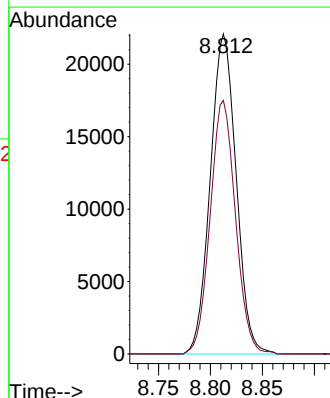
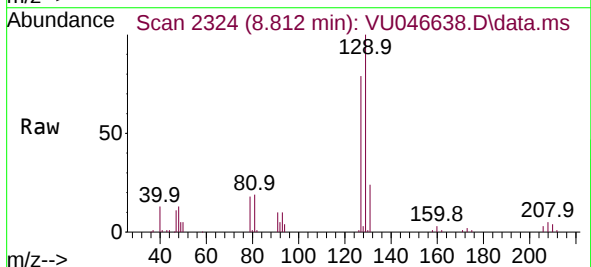
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

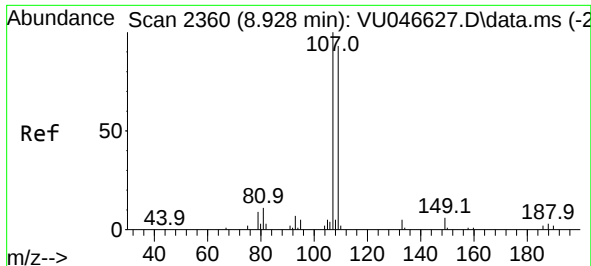
Tgt Ion: 43	Resp: 195976
Ion Ratio	Lower Upper
43 100	
58 59.6	46.7 70.1
57 20.7	16.3 24.5
100 13.9	10.5 15.7



#49
Dibromochloromethane
Concen: 5.576 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion:129	Resp:	38239	
Ion	Ratio	Lower	Upper
129	100		
127	79.2	55.4	102.8





#50

1,2-Dibromoethane

Concen: 4.777 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

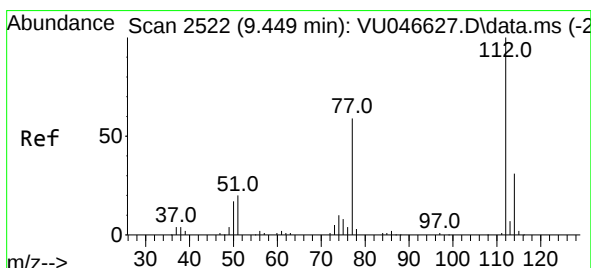
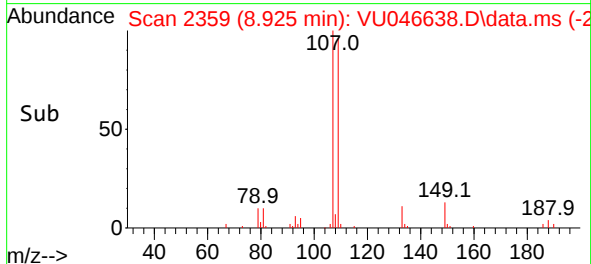
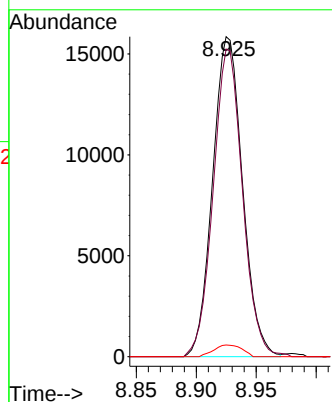
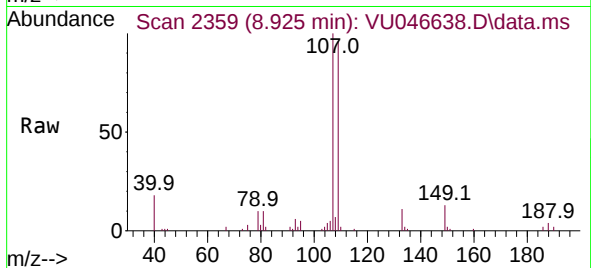
Tgt Ion:107 Resp: 27413

Ion Ratio Lower Upper

107 100

109 96.2 64.0 119.0

188 3.6 2.4 3.6#



#51

Chlorobenzene

Concen: 5.072 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

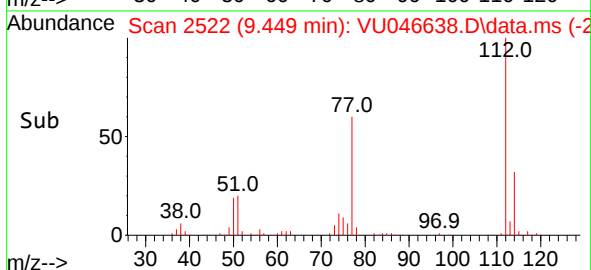
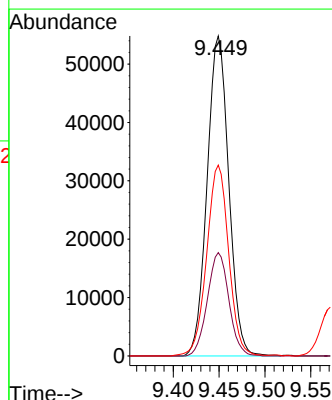
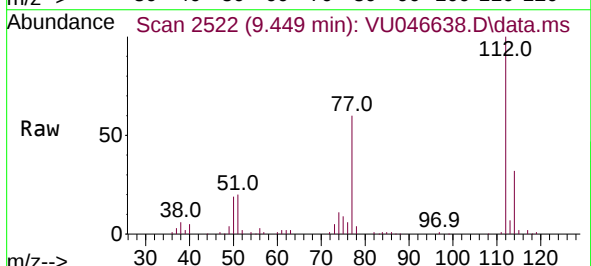
Tgt Ion:112 Resp: 89936

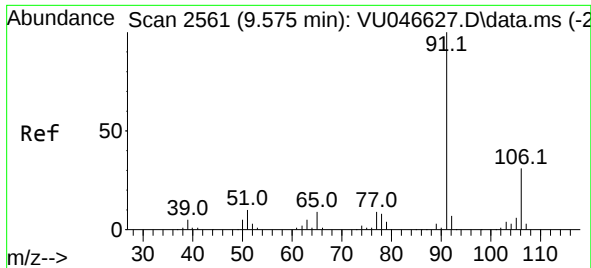
Ion Ratio Lower Upper

112 100

114 32.3 22.1 41.1

77 59.7 48.3 72.5

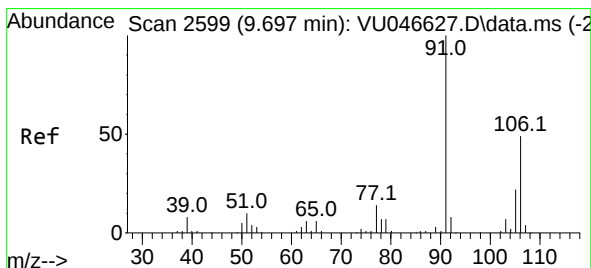
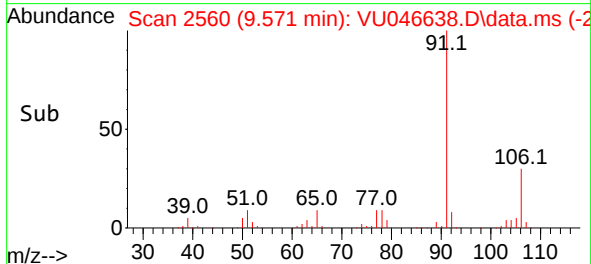
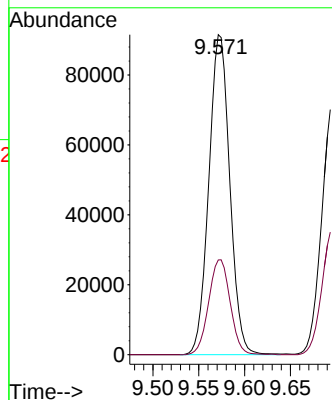
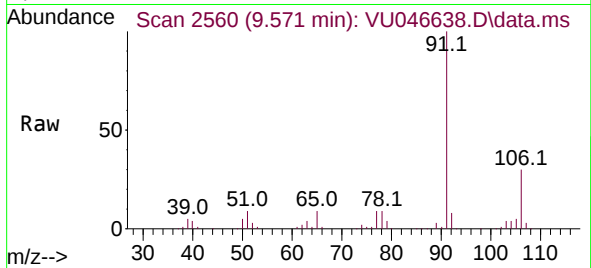




#52
Ethylbenzene
Concen: 5.069 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

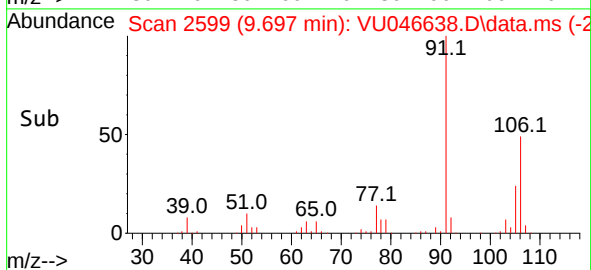
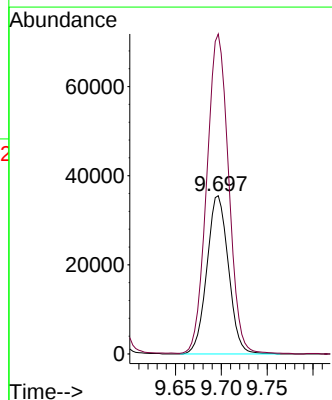
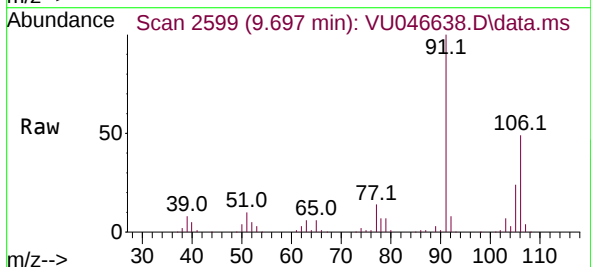
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

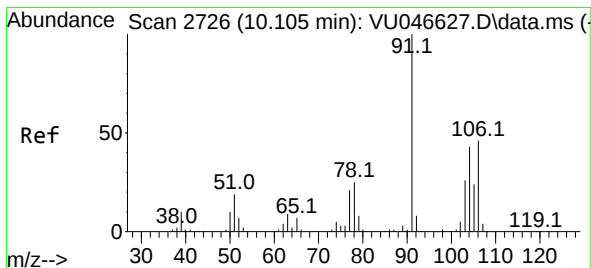
Tgt Ion: 91 Resp: 145565
Ion Ratio Lower Upper
91 100
106 29.6 21.5 39.9



#53
m,p-Xylene
Concen: 5.282 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion: 106 Resp: 58109
Ion Ratio Lower Upper
106 100
91 202.2 139.4 259.0





#54

o-Xylene

Concen: 5.237 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

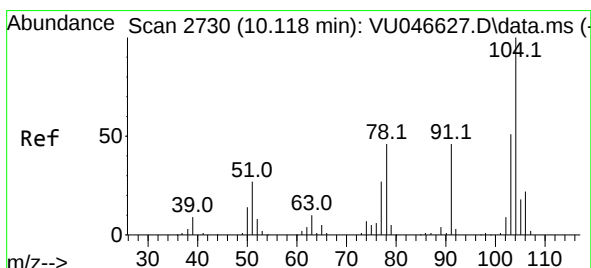
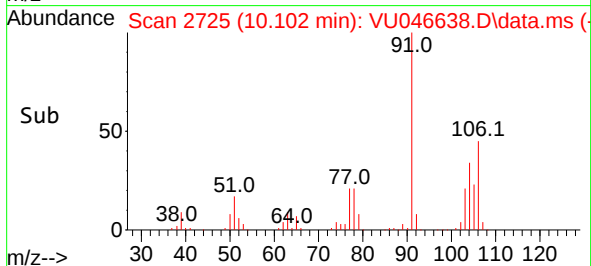
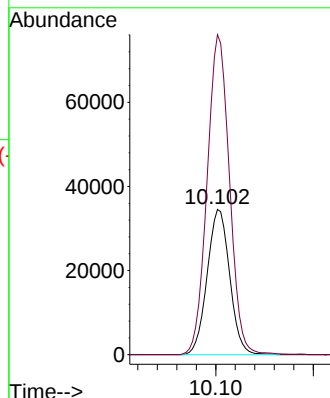
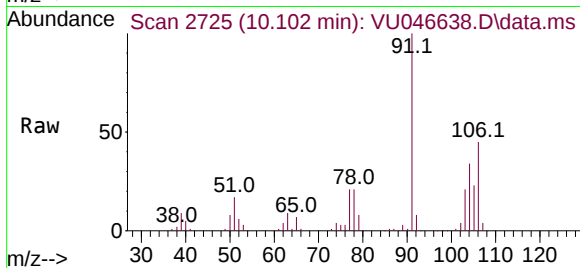
VSTD005150

Tgt Ion:106 Resp: 55358

Ion Ratio Lower Upper

106 100

91 220.2 147.5 273.9



#55

Styrene

Concen: 5.738 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046638.D

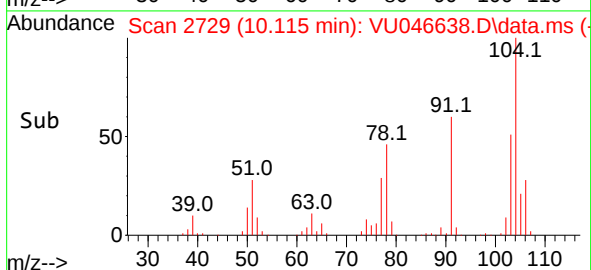
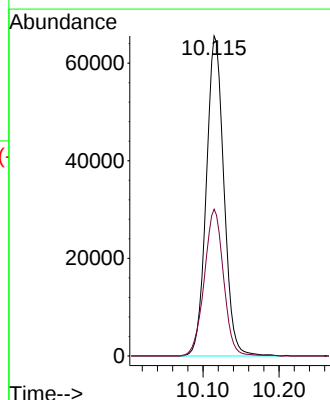
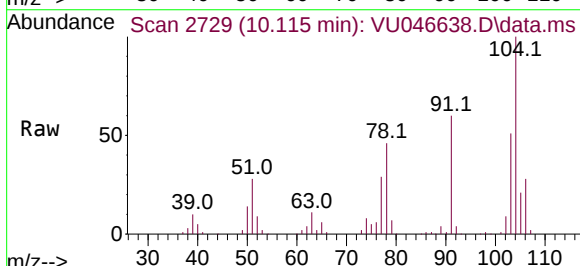
Acq: 29 Dec 2021 20:13

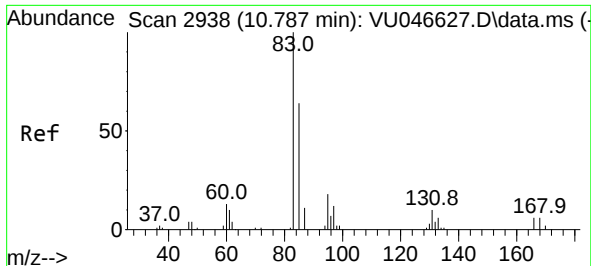
Tgt Ion:104 Resp: 105211

Ion Ratio Lower Upper

104 100

78 45.8 33.0 61.4

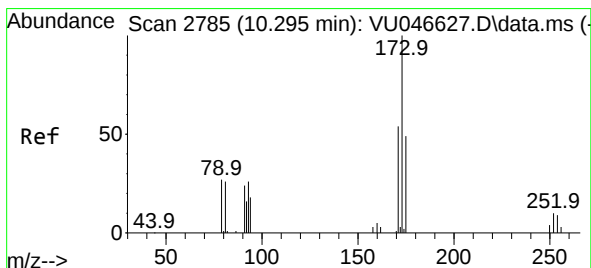
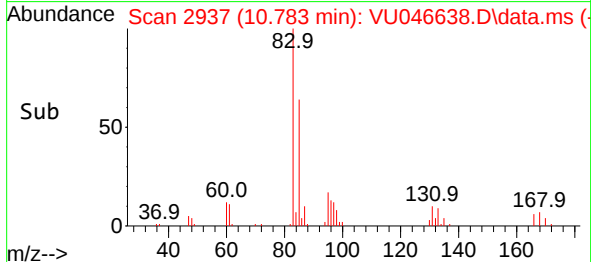
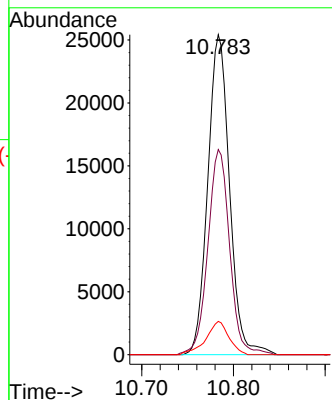
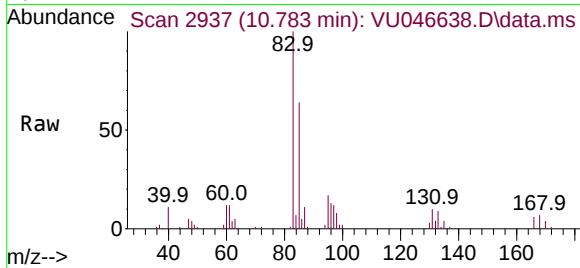




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.393 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. -0.003 min
 Lab File: VU046638.D
 Acq: 29 Dec 2021 20:13

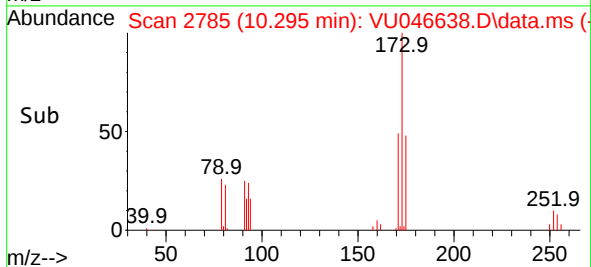
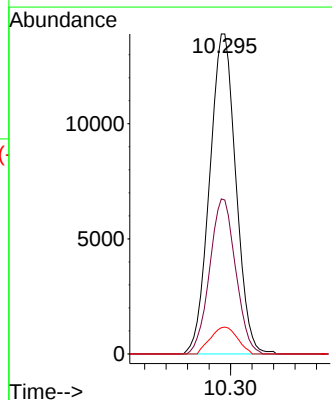
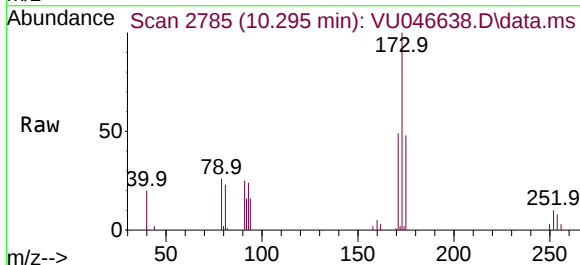
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

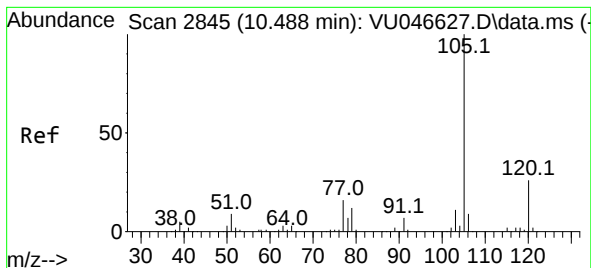
Tgt Ion:	83	Resp:	41901
Ion	Ratio	Lower	Upper
83	100		
85	64.1	47.9	89.1
131	10.4	8.1	12.1



#59
 Bromoform
 Concen: 5.009 ug/L
 RT: 10.295 min Scan# 2785
 Delta R.T. -0.000 min
 Lab File: VU046638.D
 Acq: 29 Dec 2021 20:13

Tgt Ion:	173	Resp:	23556
Ion	Ratio	Lower	Upper
173	100		
175	47.9	37.8	56.6
254	8.6	7.3	10.9





#60

Isopropylbenzene

Concen: 4.801 ug/L

RT: 10.488 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

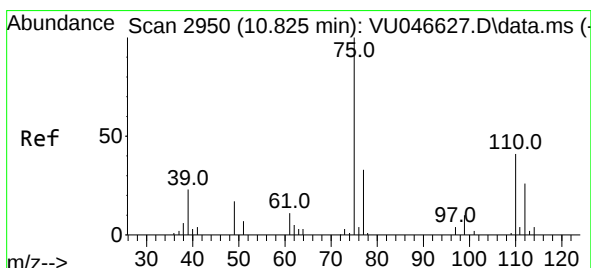
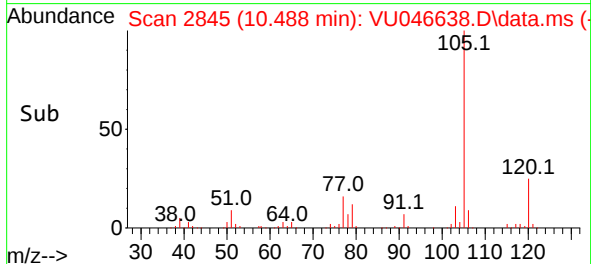
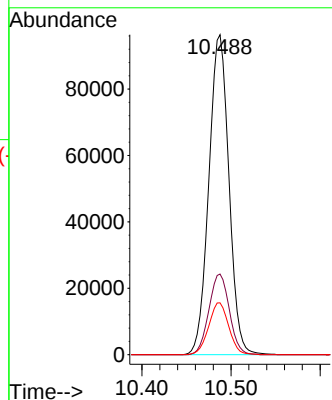
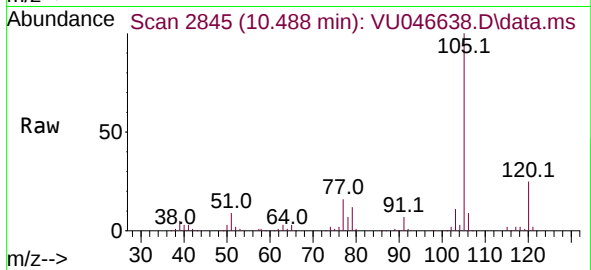
Tgt Ion:105 Resp: 150737

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

77 16.3 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.435 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

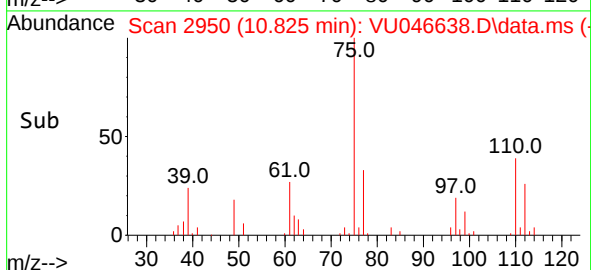
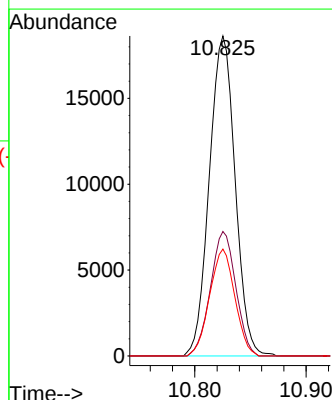
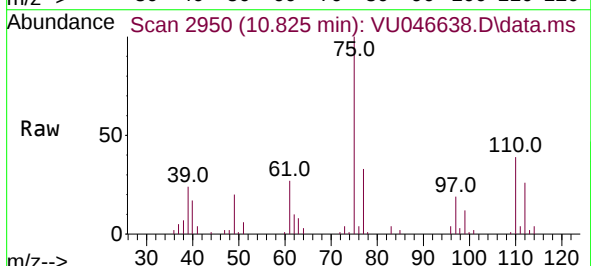
Tgt Ion: 75 Resp: 29985

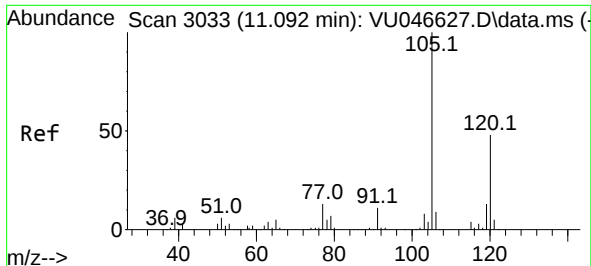
Ion Ratio Lower Upper

75 100

110 38.1 29.9 44.9

77 32.6 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.441 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

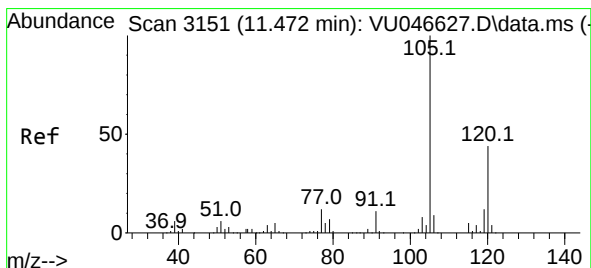
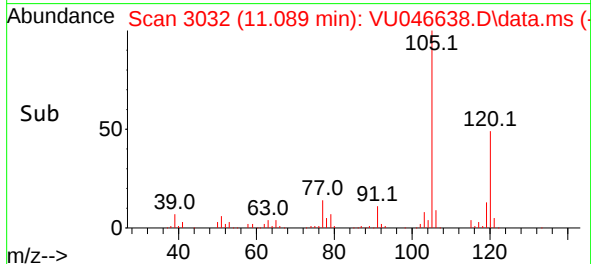
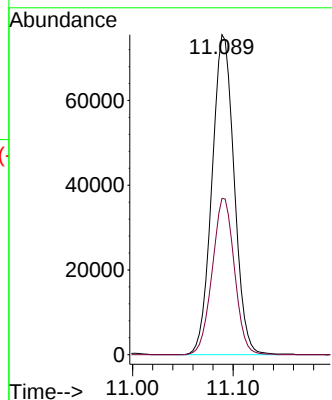
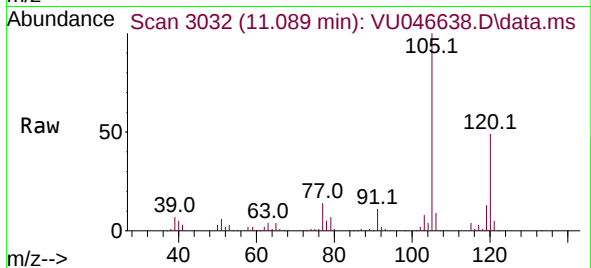
VSTD005150

Tgt Ion:105 Resp: 115960

Ion Ratio Lower Upper

105 100

120 48.8 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 4.663 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046638.D

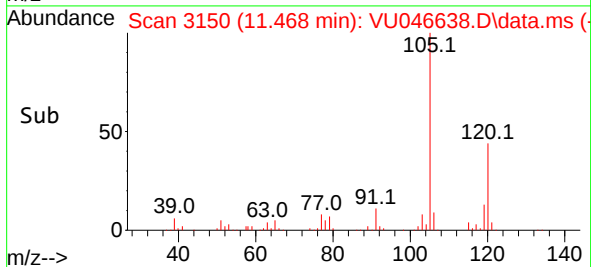
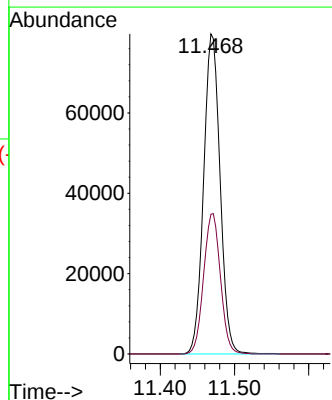
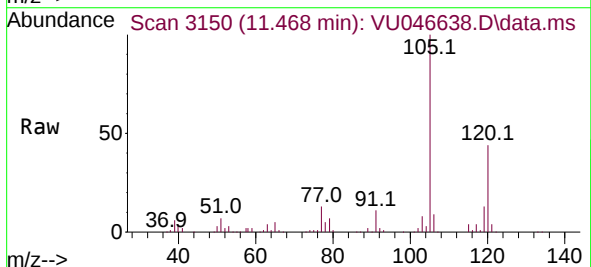
Acq: 29 Dec 2021 20:13

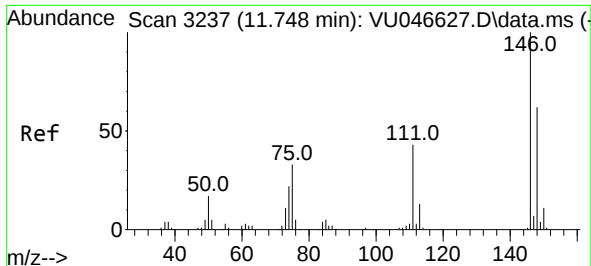
Tgt Ion:105 Resp: 122616

Ion Ratio Lower Upper

105 100

120 44.7 35.8 53.8

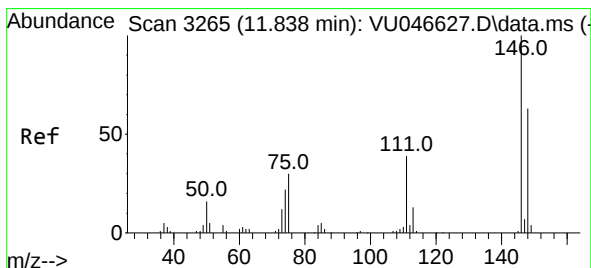
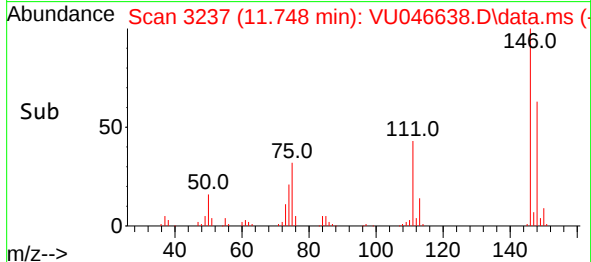
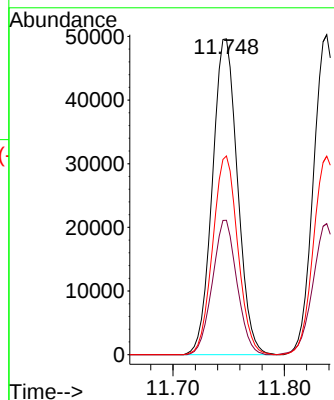
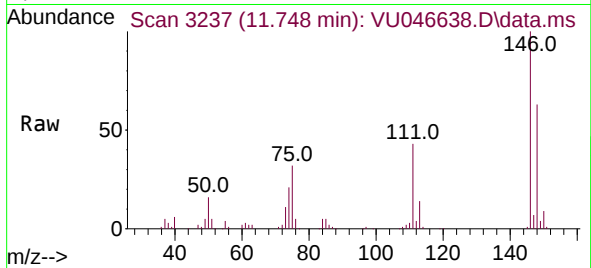




#64
1,3-Dichlorobenzene
Concen: 5.106 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

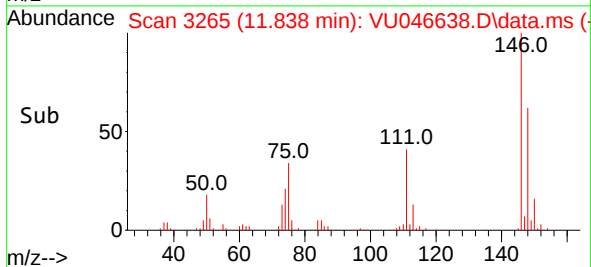
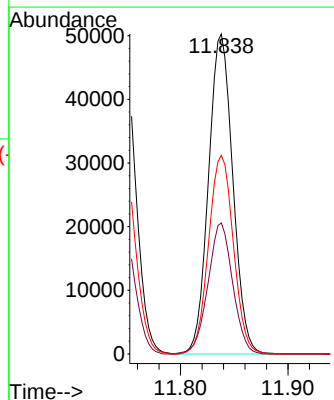
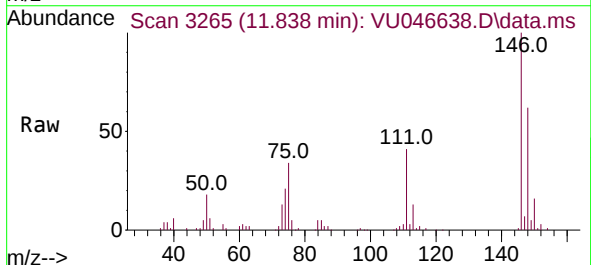
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

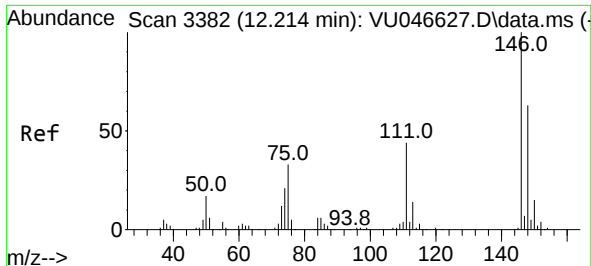
Tgt Ion:146 Resp: 77917
Ion Ratio Lower Upper
146 100
111 42.5 29.9 55.5
148 62.9 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.043 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion:146 Resp: 78791
Ion Ratio Lower Upper
146 100
111 40.9 28.7 53.3
148 62.0 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.794 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

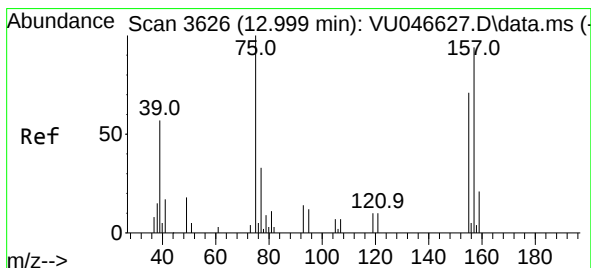
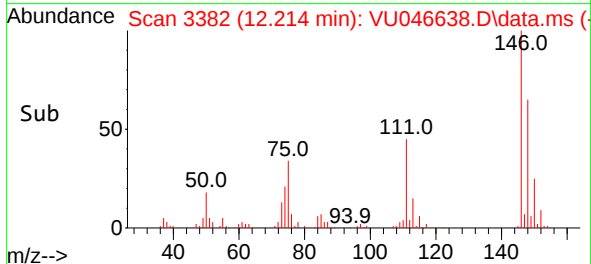
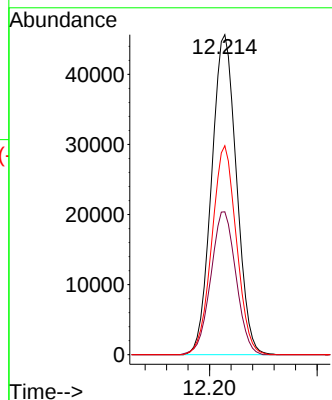
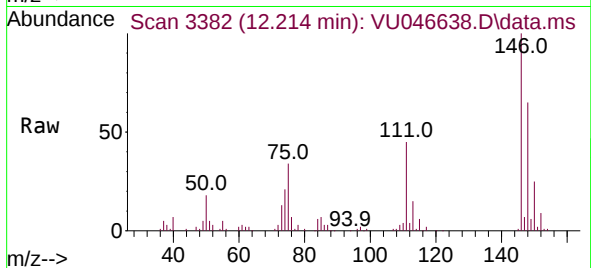
Tgt Ion:146 Resp: 73380

Ion Ratio Lower Upper

146 100

111 44.6 35.4 53.0

148 65.3 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.839 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046638.D

Acq: 29 Dec 2021 20:13

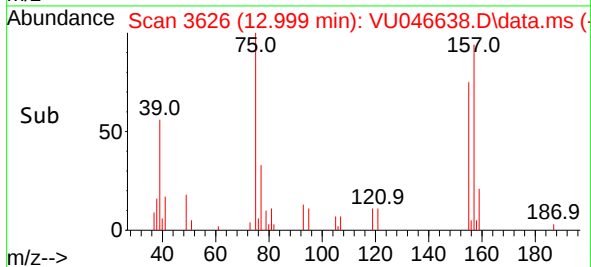
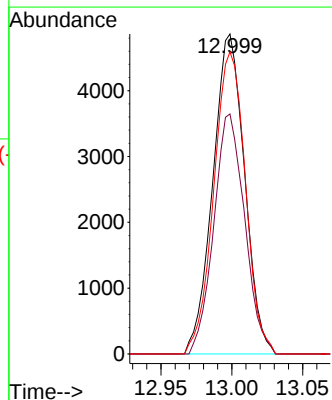
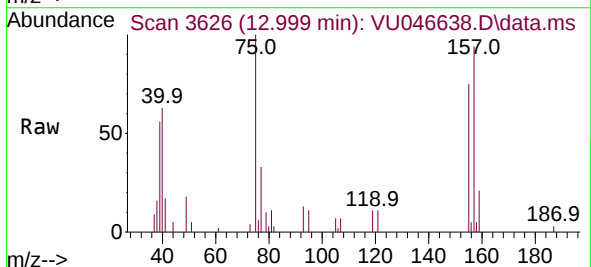
Tgt Ion: 75 Resp: 7573

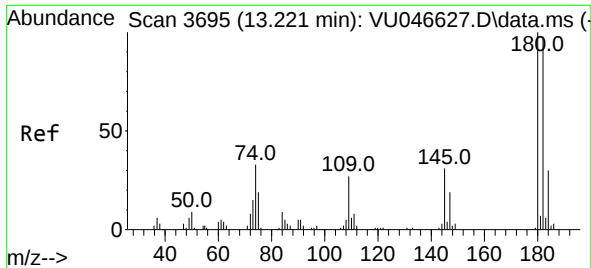
Ion Ratio Lower Upper

75 100

155 75.0 59.2 88.8

157 94.4 76.5 114.7

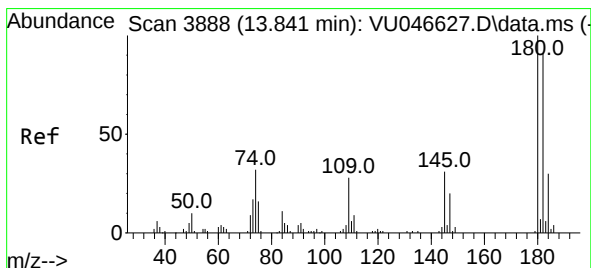
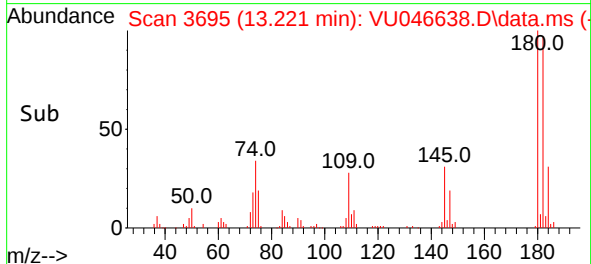
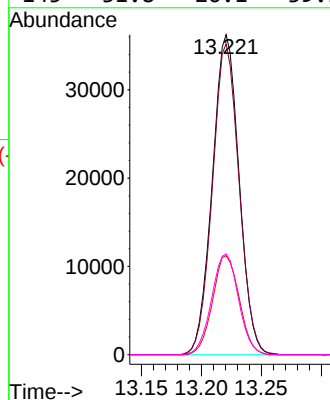
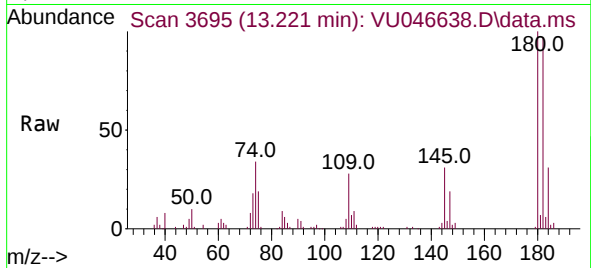




#69
1,3,5-Trichlorobenzene
Concen: 4.854 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

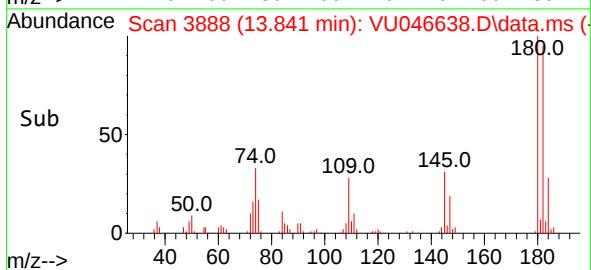
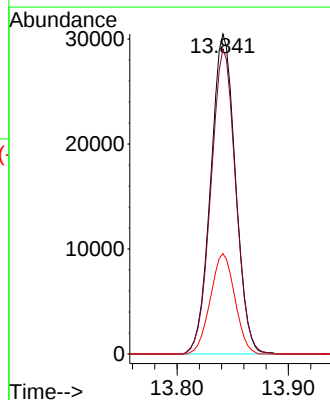
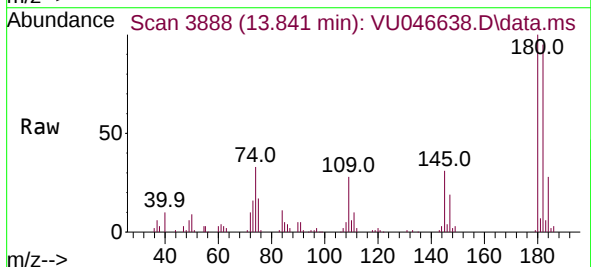
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

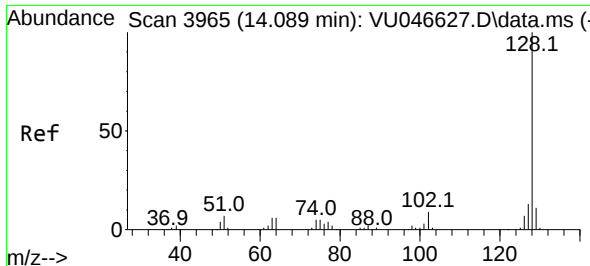
Tgt Ion:180	Resp:	56058
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.1 114.1
184	30.9	25.0 37.4
145	31.8	26.1 39.1



#70
1,2,4-trichlorobenzene
Concen: 4.799 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion:180	Resp:	46949
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.4 114.6
145	31.0	25.6 38.4

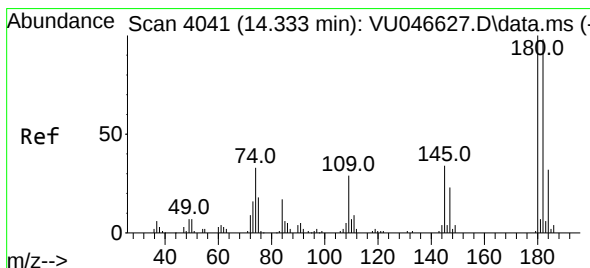
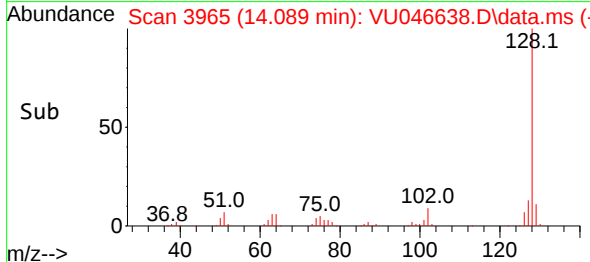
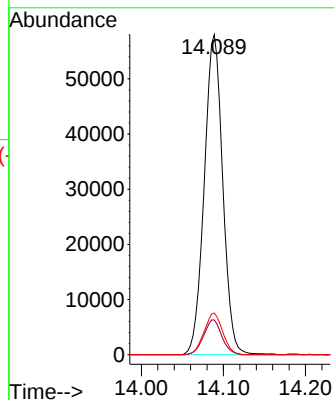
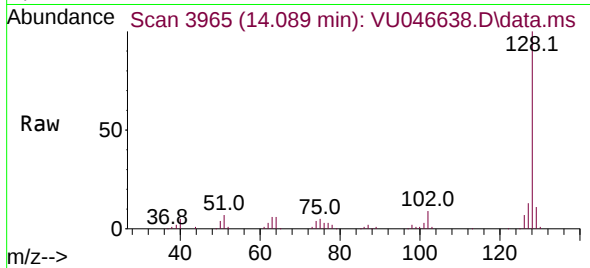




#71
Naphthalene
Concen: 4.185 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

Tgt Ion:128	Resp:	90925
Ion Ratio	Lower	Upper
128	100	
129	10.8	8.4 12.6
127	13.1	10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.067 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046638.D
Acq: 29 Dec 2021 20:13

Tgt Ion:180	Resp:	49075
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.2 114.4
145	33.2	28.4 42.6

