

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020122\
 Data File : VU046992.D
 Acq On : 02 Feb 2022 03:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Quant Time: Feb 02 04:10:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 02 03:49:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	101744	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	114177	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	60704	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	51336	5.954	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.000%
7) Chloroethane-d5	1.922	69	39636	5.835	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.800%
11) 1,1-Dichloroethene-d2	2.575	65	17848	5.204	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.000%
20) 2-Butanone-d5	4.639	46	127872	50.066	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.140%
24) Chloroform-d	5.070	84	80697	5.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	5.706	65	43928	5.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.600%
32) Benzene-d6	5.732	84	153575	4.577	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.693	67	47863	4.751	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.899	98	134244	4.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.182	79	19239	4.348	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.636	63	109946	41.965	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	47286	4.675	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	45385	3.987	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	42432	4.434	ug/L	99
3) Chloromethane	1.526	50	50337	6.387	ug/L	97
5) Vinyl chloride	1.610	62	47614	5.803	ug/L	99
6) Bromomethane	1.864	94	29307	5.708	ug/L	99
8) Chloroethane	1.941	64	30416	6.440	ug/L	99
9) Trichlorofluoromethane	2.147	101	54670	5.468	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.591	101	28868	4.856	ug/L	98
12) 1,1-Dichloroethene	2.591	96	30452	5.360	ug/L	82
13) Acetone	2.655	43	68906	49.603	ug/L	99
14) Carbon disulfide	2.803	76	91390	4.898	ug/L	99
15) Methyl Acetate	2.960	43	17621	5.807	ug/L	97
16) Methylene chloride	3.054	84	40184	5.857	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	80416	5.045	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	31847	5.175	ug/L	98
19) 1,1-Dichloroethane	3.877	63	63296	6.127	ug/L	99
21) 2-Butanone	4.719	43	111813	50.049	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	35491	5.468	ug/L	98
23) Bromochloromethane	4.980	128	17984	5.631	ug/L	97
25) Chloroform	5.092	83	67335	4.107	ug/L	98

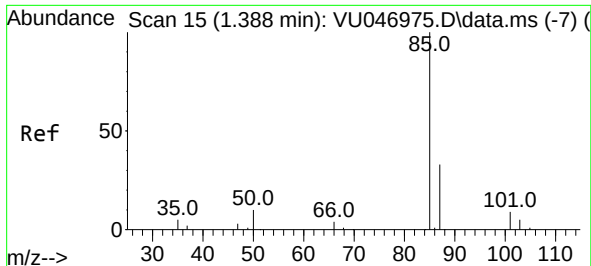
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020122\
 Data File : VU046992.D
 Acq On : 02 Feb 2022 03:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Quant Time: Feb 02 04:10:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 02 03:49:05 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	44068	6.089	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	50541	4.915	ug/L	98
30) Cyclohexane	5.394	56	38065	3.649	ug/L	98
31) Carbon tetrachloride	5.530	117	39756	4.505	ug/L	100
33) Benzene	5.780	78	138547	5.154	ug/L	100
34) Trichloroethene	6.546	95	31960	4.579	ug/L	97
35) Methylcyclohexane	6.767	83	37630	3.219	ug/L	97
37) 1,2-Dichloropropane	6.793	63	37760	5.726	ug/L	100
38) Bromodichloromethane	7.108	83	45773	4.823	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	45518	4.424	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	252151	52.157	ug/L	99
42) Toluene	7.973	91	136445	4.247	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	43223	4.715	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	30431	5.424	ug/L	96
47) Tetrachloroethene	8.555	164	22030	3.881	ug/L	95
48) 2-Hexanone	8.687	43	195711	53.632	ug/L	98
49) Dibromochloromethane	8.812	129	31843	4.812	ug/L	96
50) 1,2-Dibromoethane	8.925	107	28044	4.932	ug/L	99
51) Chlorobenzene	9.449	112	83733	4.487	ug/L	100
52) Ethylbenzene	9.571	91	122085	3.997	ug/L	100
53) m,p-Xylene	9.697	106	47860	3.930	ug/L	96
54) o-Xylene	10.105	106	47176	3.997	ug/L	99
55) Styrene	10.118	104	83413	4.320	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	39100	5.182	ug/L	95
59) Bromoform	10.291	173	17738	4.745	ug/L	99
60) Isopropylbenzene	10.488	105	114376	4.045	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	28909	5.621	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	82713	3.564	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	87777	3.675	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	61932	4.382	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	62990	4.428	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	61092	4.469	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	5757	5.392	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	42419	3.807	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	35430	3.803	ug/L	100
71) Naphthalene	14.085	128	71452	3.767	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	36911	4.194	ug/L	99

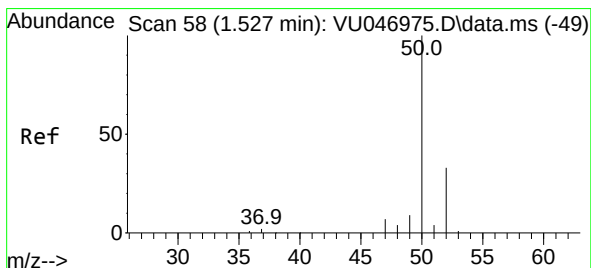
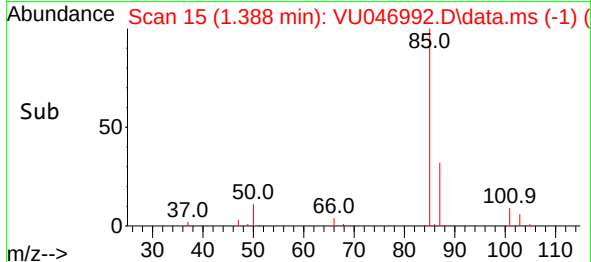
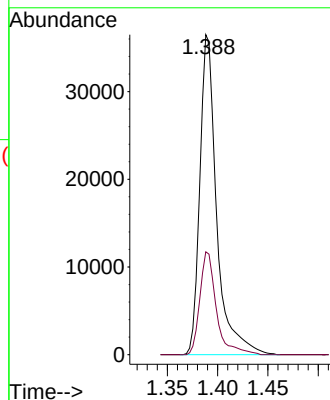
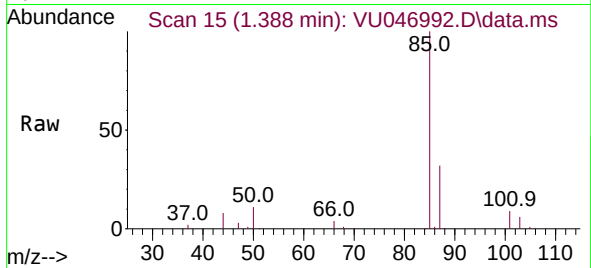
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.434 ug/L
RT: 1.388 min Scan# 15
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

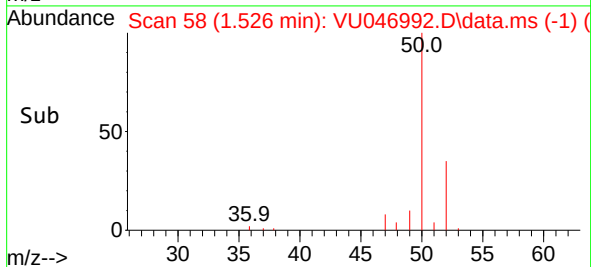
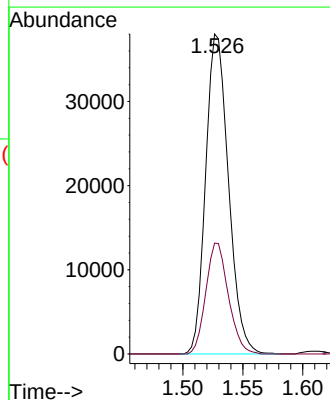
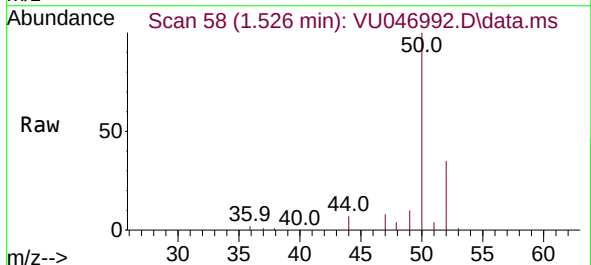
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

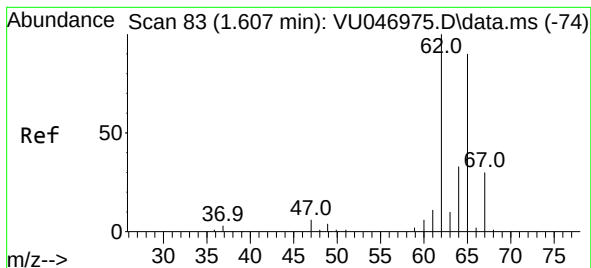
Tgt Ion: 85 Resp: 42432
Ion Ratio Lower Upper
85 100
87 31.6 25.8 38.6



#3
Chloromethane
Concen: 6.387 ug/L
RT: 1.526 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion: 50 Resp: 50337
Ion Ratio Lower Upper
50 100
52 34.7 23.0 42.8





#5

Vinyl chloride

Concen: 5.803 ug/L

RT: 1.610 min Scan# 84

Delta R.T. 0.003 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

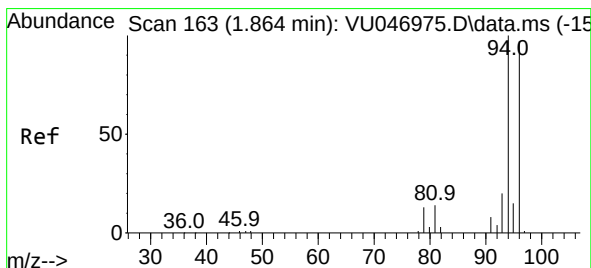
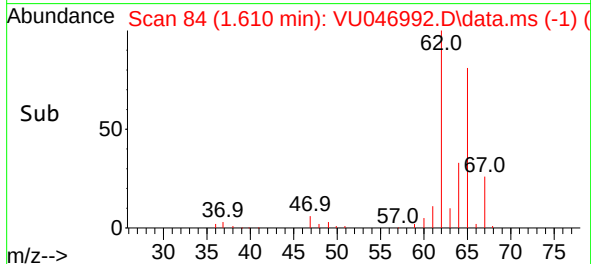
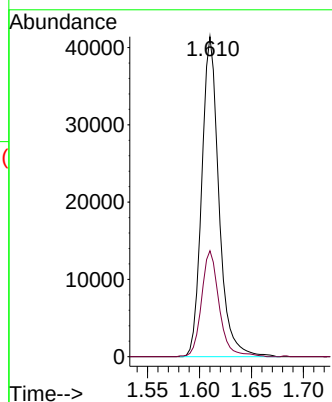
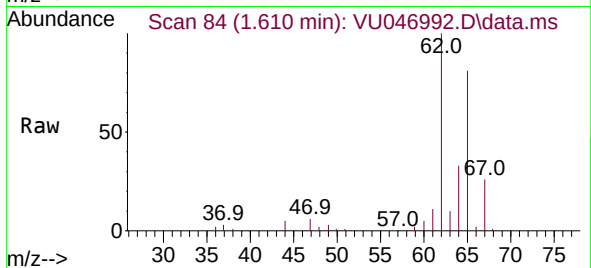
VSTD005183

Tgt Ion: 62 Resp: 47614

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#6

Bromomethane

Concen: 5.708 ug/L

RT: 1.864 min Scan# 163

Delta R.T. -0.000 min

Lab File: VU046992.D

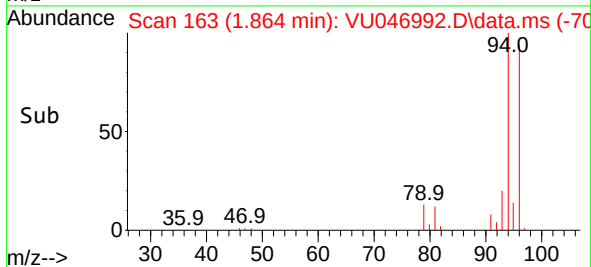
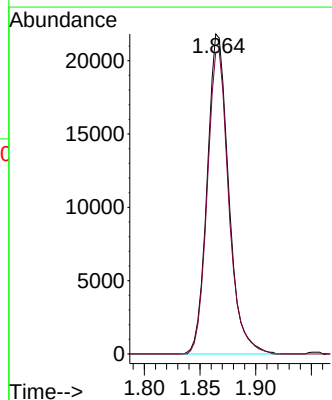
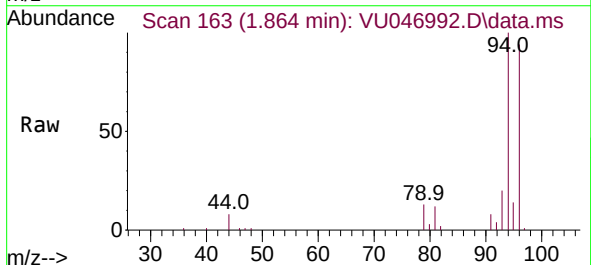
Acq: 02 Feb 2022 03:23

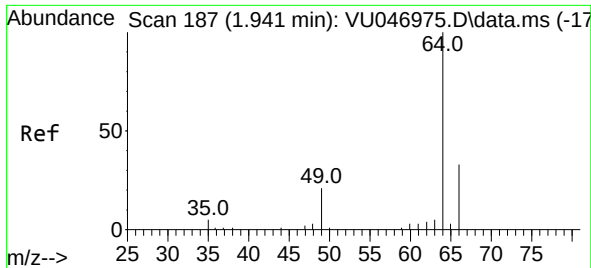
Tgt Ion: 94 Resp: 29307

Ion Ratio Lower Upper

94 100

96 94.3 65.5 121.6

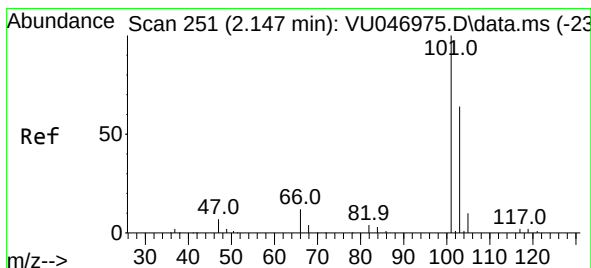
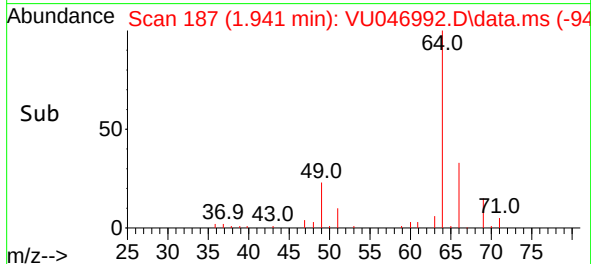
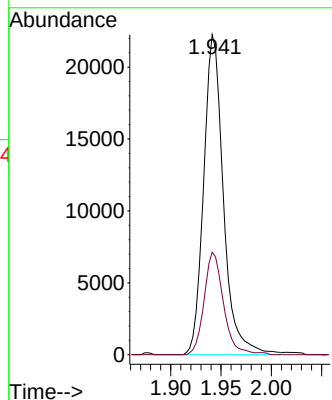
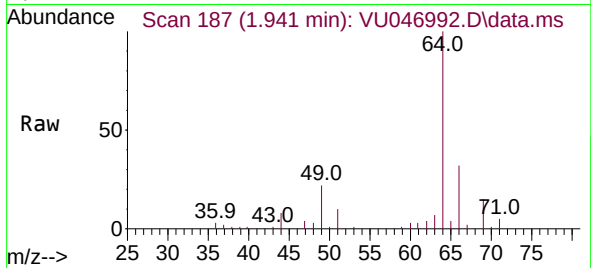




#8
Chloroethane
Concen: 6.440 ug/L
RT: 1.941 min Scan# 187
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

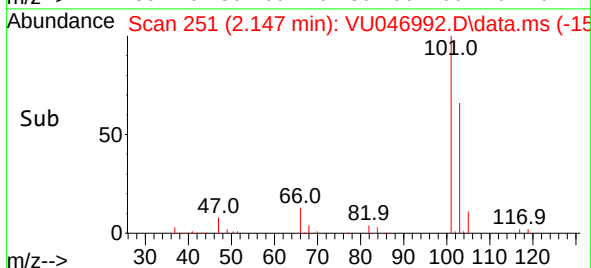
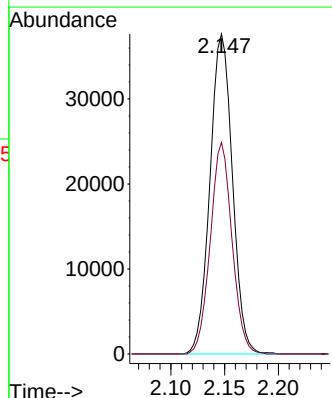
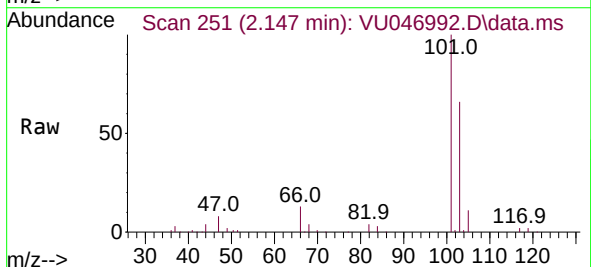
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

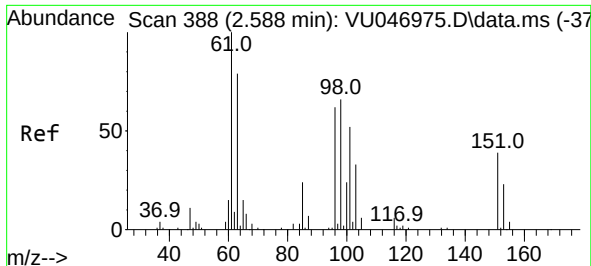
Tgt Ion: 64 Resp: 30416
Ion Ratio Lower Upper
64 100
66 32.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.468 ug/L
RT: 2.147 min Scan# 251
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion:101 Resp: 54670
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3





#10

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

Concen: 4.856 ug/L

RT: 2.591 min Scan# 389

Delta R.T. 0.003 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

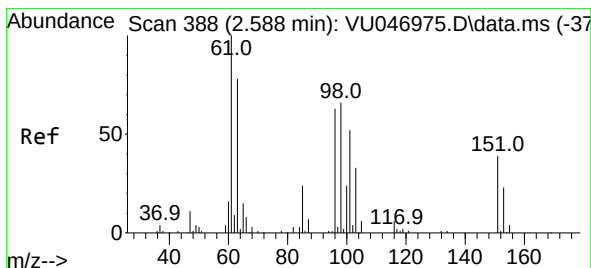
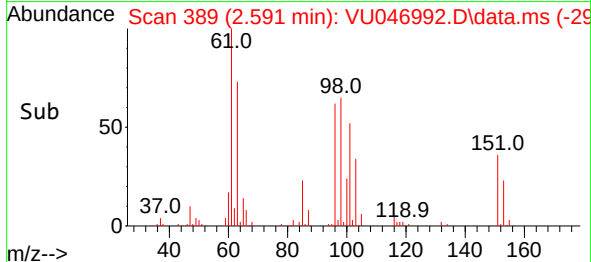
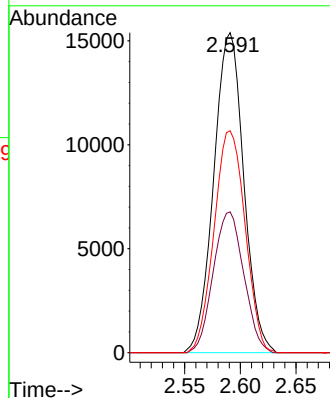
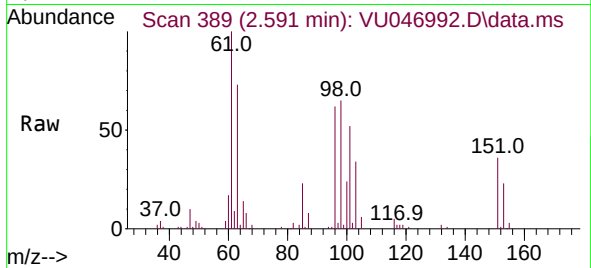
Tgt Ion:101 Resp: 28868

Ion Ratio Lower Upper

101 100

85 44.7 34.6 51.8

151 71.7 56.1 84.1



#12

1,1-Dichloroethene

Concen: 5.360 ug/L

RT: 2.591 min Scan# 389

Delta R.T. 0.003 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

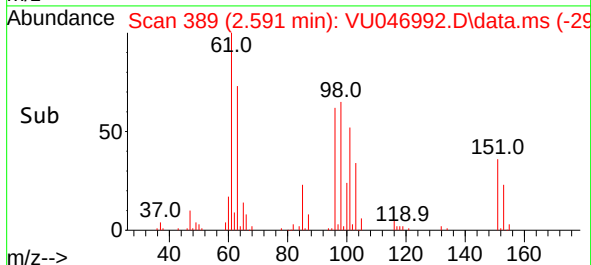
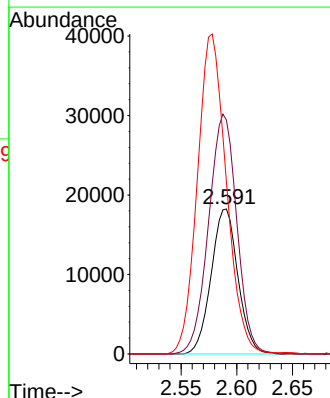
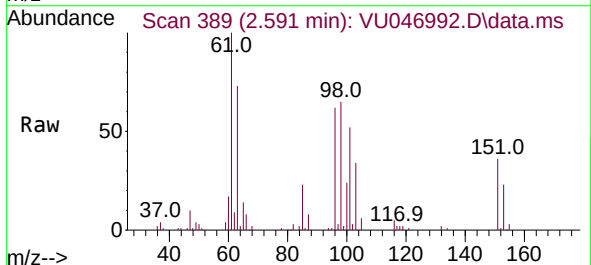
Tgt Ion: 96 Resp: 30452

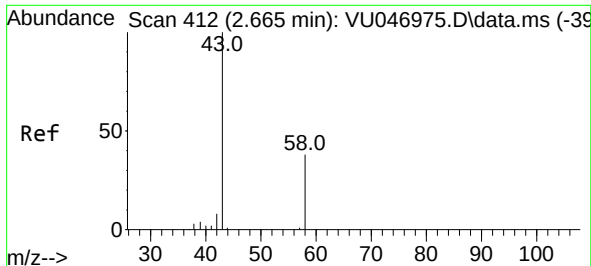
Ion Ratio Lower Upper

96 100

61 161.3 124.7 231.5

63 118.5 105.2 195.4





#13

Acetone

Concen: 49.603 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.010 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

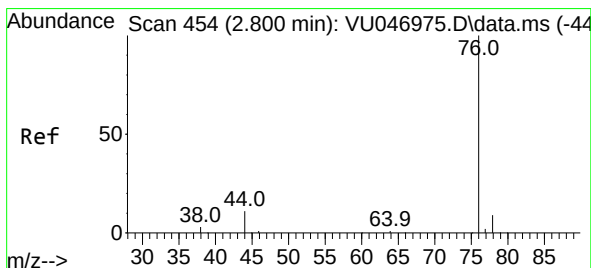
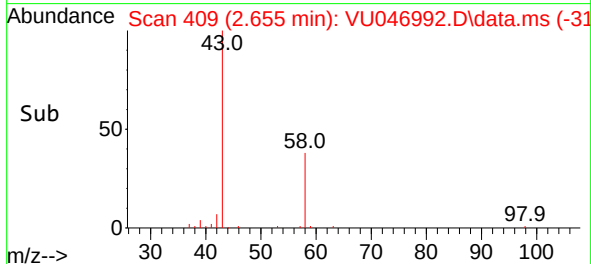
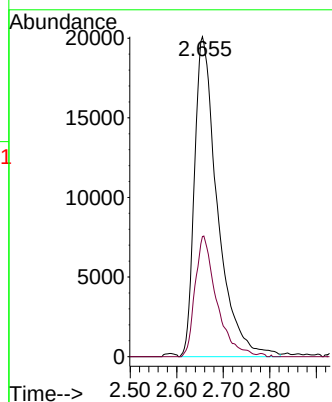
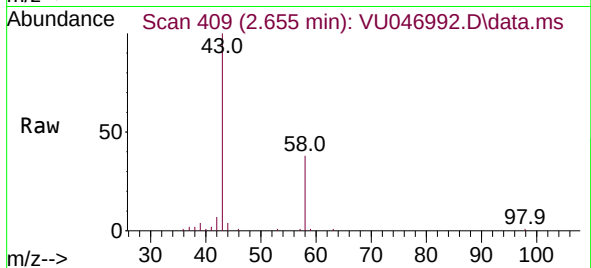
VSTD005183

Tgt Ion: 43 Resp: 68906

Ion Ratio Lower Upper

43 100

58 35.2 0.0 71.6



#14

Carbon disulfide

Concen: 4.898 ug/L

RT: 2.803 min Scan# 455

Delta R.T. 0.003 min

Lab File: VU046992.D

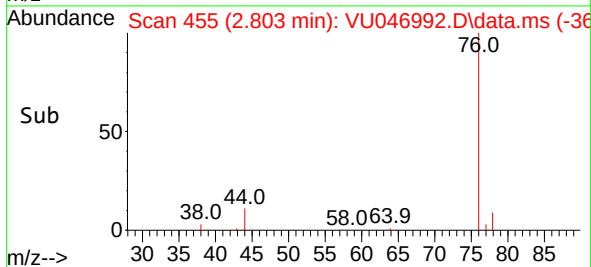
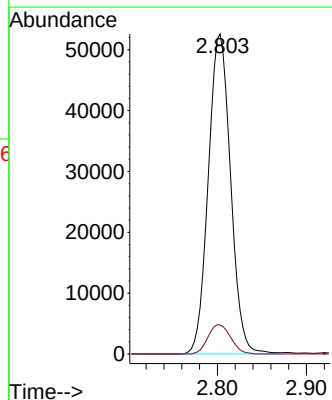
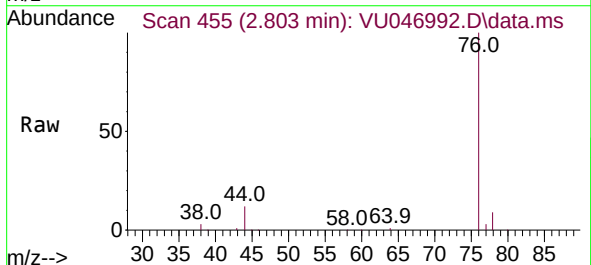
Acq: 02 Feb 2022 03:23

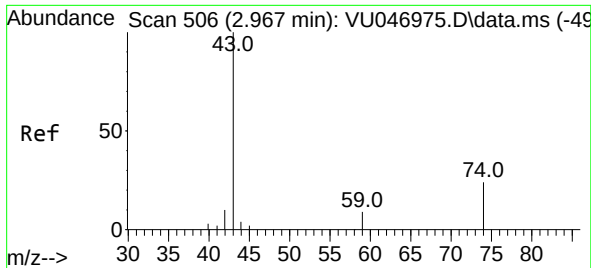
Tgt Ion: 76 Resp: 91390

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

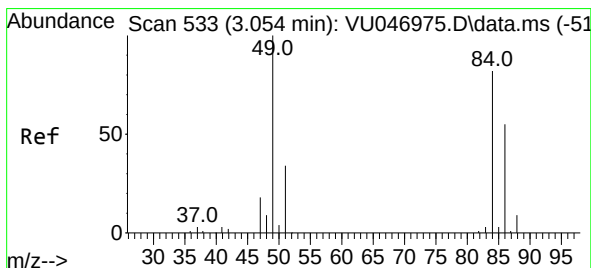
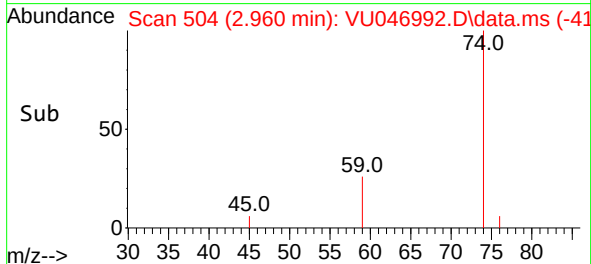
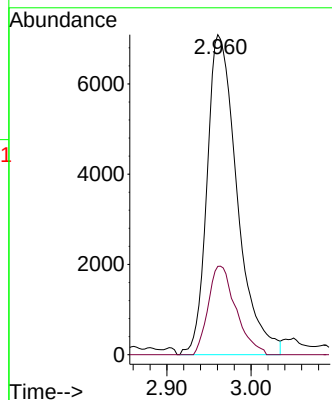
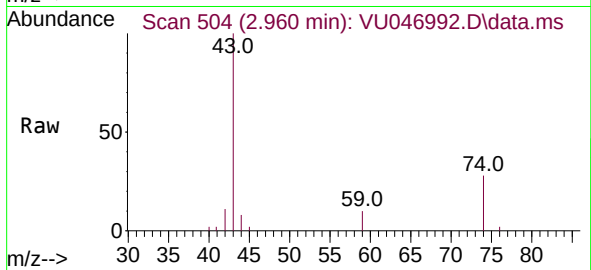




#15
Methyl Acetate
Concen: 5.807 ug/L
RT: 2.960 min Scan# 506
Delta R.T. -0.006 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

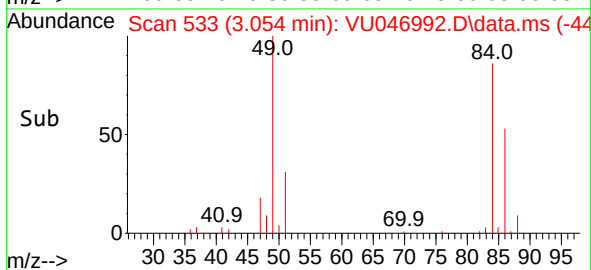
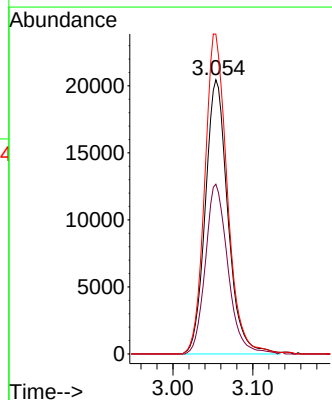
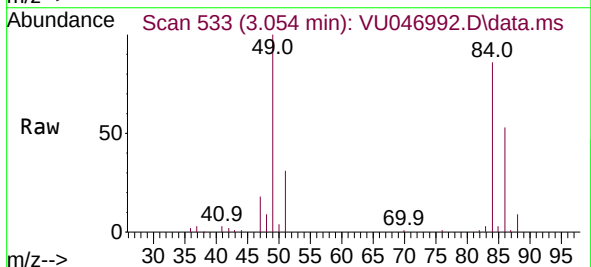
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

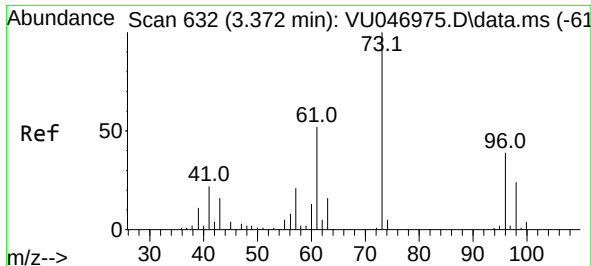
Tgt Ion: 43 Resp: 17621
Ion Ratio Lower Upper
43 100
74 25.4 19.1 28.7



#16
Methylene chloride
Concen: 5.857 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion: 84 Resp: 40184
Ion Ratio Lower Upper
84 100
86 61.9 45.8 85.0
49 116.7 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 5.045 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

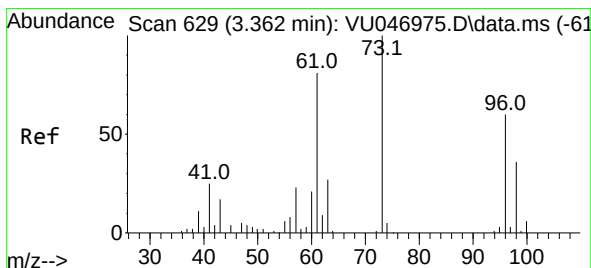
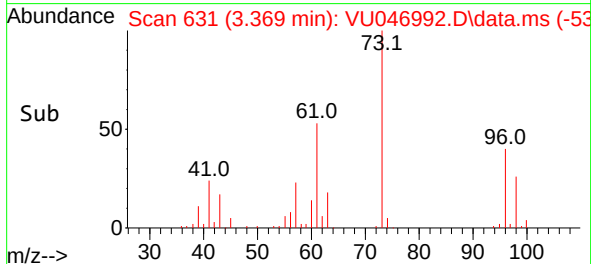
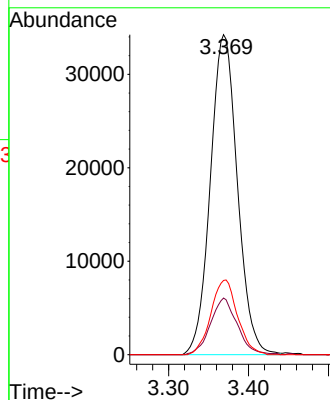
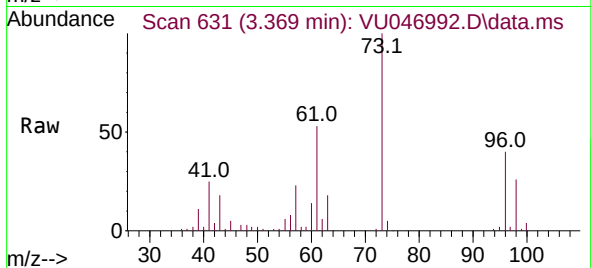
Tgt Ion: 73 Resp: 80416

Ion Ratio Lower Upper

73 100

43 17.5 14.8 22.2

57 22.9 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 5.175 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

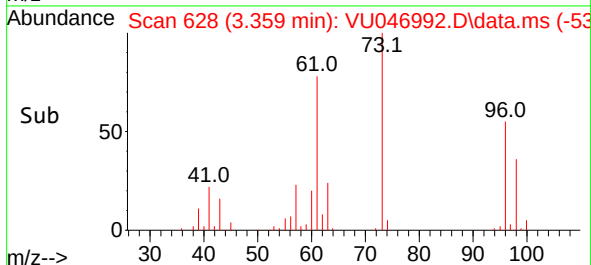
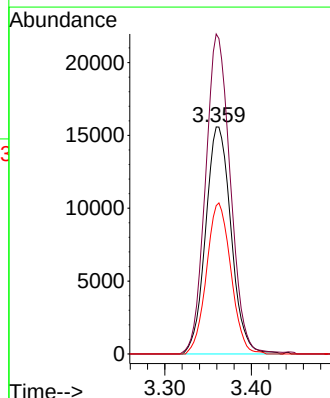
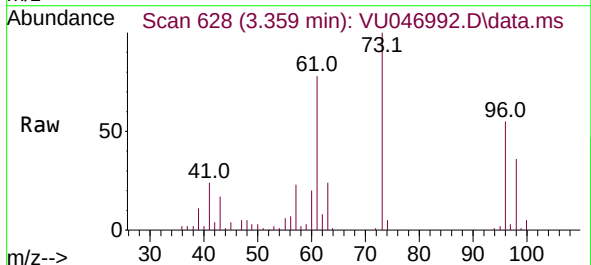
Tgt Ion: 96 Resp: 31847

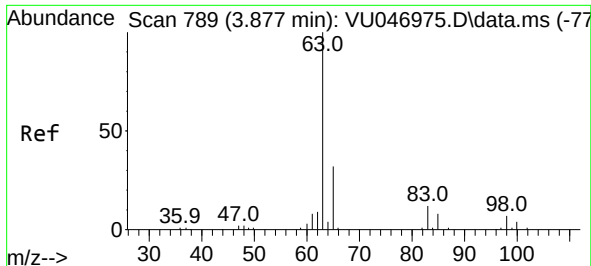
Ion Ratio Lower Upper

96 100

61 140.9 100.8 187.2

98 65.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 6.127 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

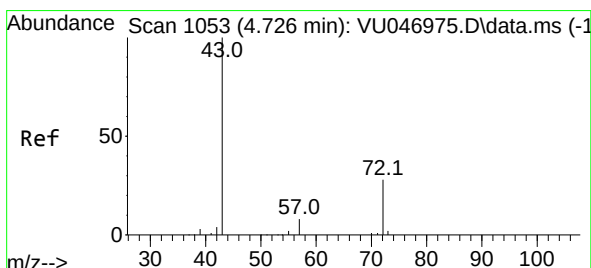
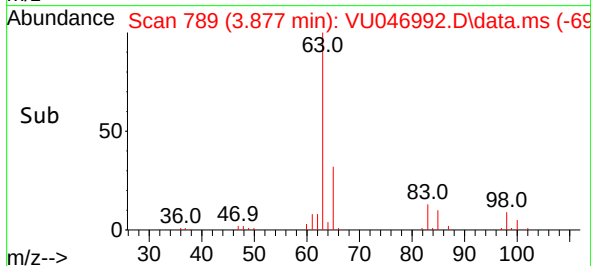
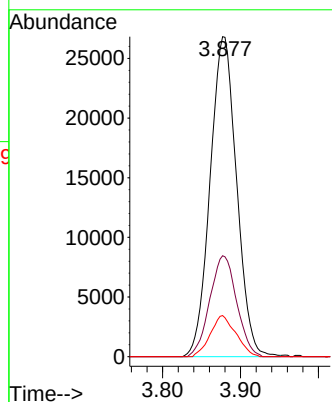
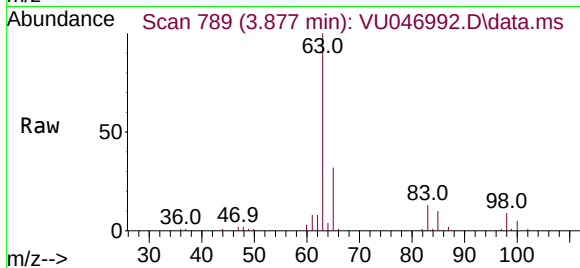
Tgt Ion: 63 Resp: 63296

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 12.9 9.6 17.8



#21

2-Butanone

Concen: 50.049 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.006 min

Lab File: VU046992.D

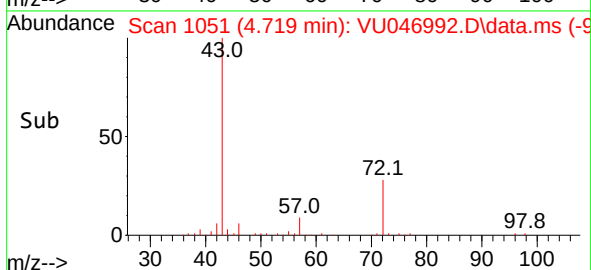
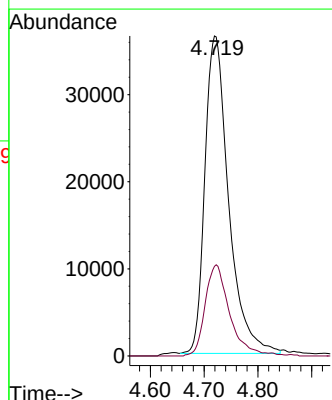
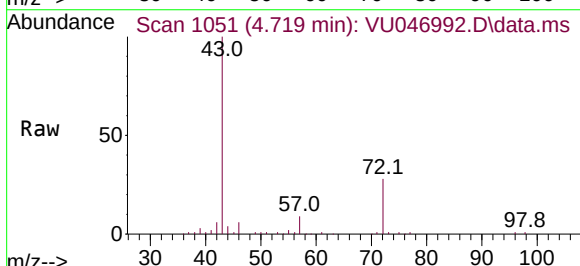
Acq: 02 Feb 2022 03:23

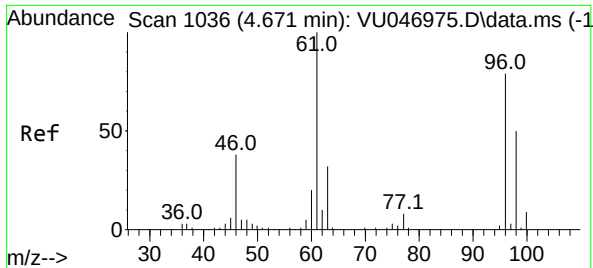
Tgt Ion: 43 Resp: 111813

Ion Ratio Lower Upper

43 100

72 29.4 14.1 42.3

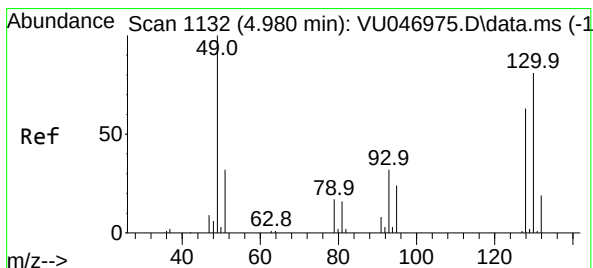
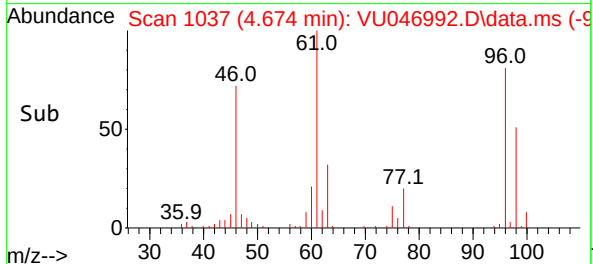
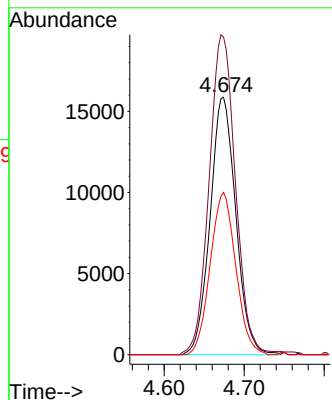
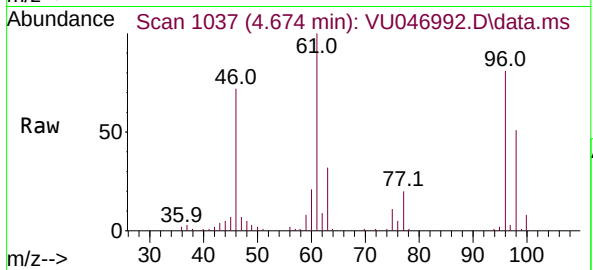




#22
 cis-1,2-Dichloroethene
 Concen: 5.468 ug/L
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU046992.D
 Acq: 02 Feb 2022 03:23

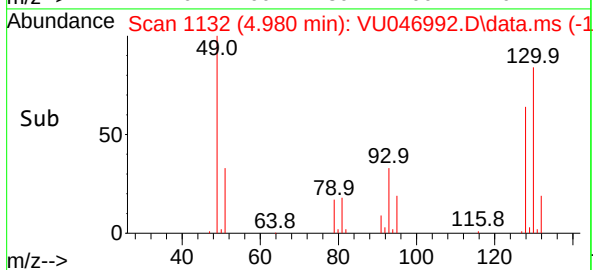
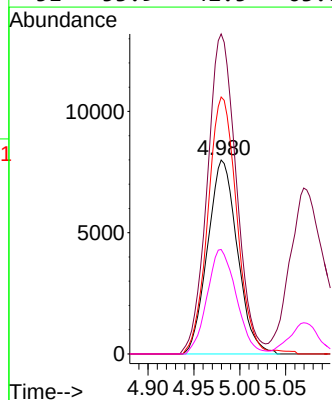
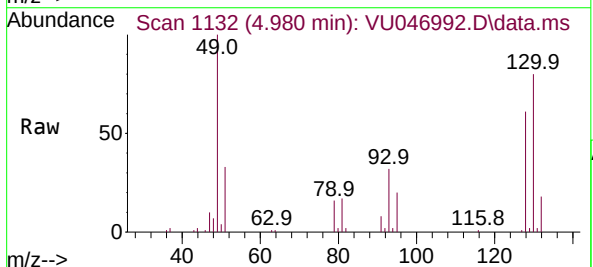
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

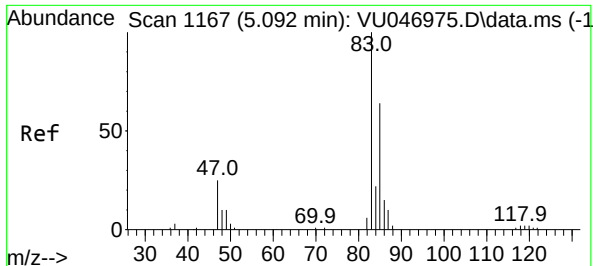
Tgt Ion: 96	Resp:	35491
Ion	Ratio	Lower Upper
96	100	
61	123.4	88.5 164.3
98	63.0	44.4 82.5



#23
 Bromochloromethane
 Concen: 5.631 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VU046992.D
 Acq: 02 Feb 2022 03:23

Tgt Ion: 128	Resp:	17984
Ion	Ratio	Lower Upper
128	100	
49	165.0	117.0 217.2
130	132.6	88.2 163.8
51	53.9	42.5 63.7





#25

Chloroform

Concen: 4.107 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

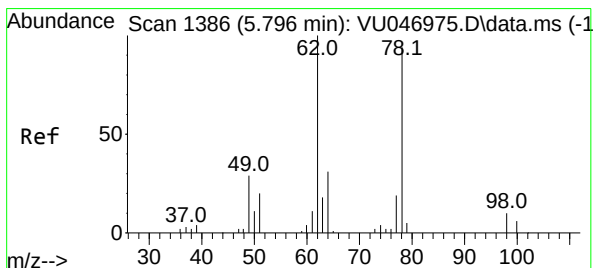
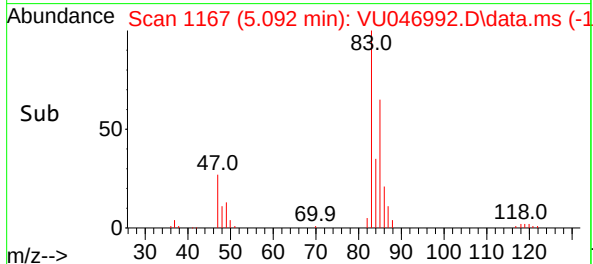
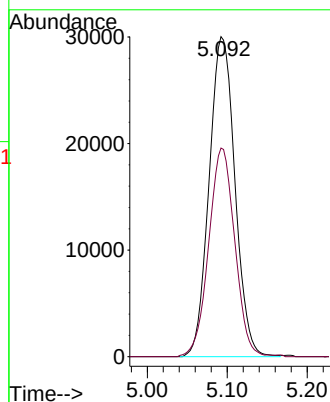
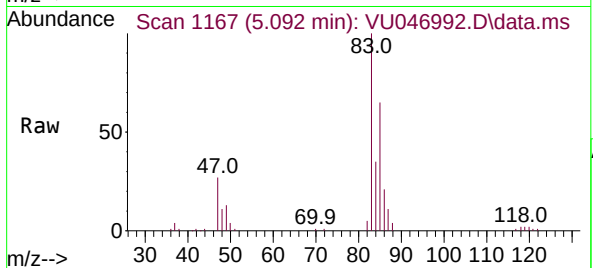
VSTD005183

Tgt Ion: 83 Resp: 67335

Ion Ratio Lower Upper

83 100

85 65.2 46.9 87.1



#27

1,2-Dichloroethane

Concen: 6.089 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU046992.D

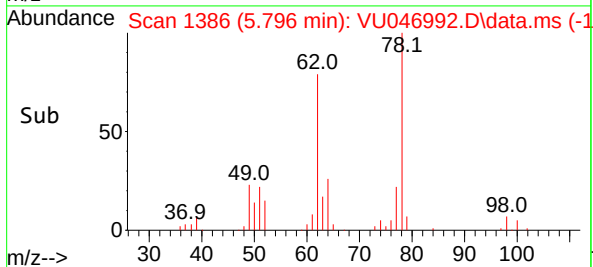
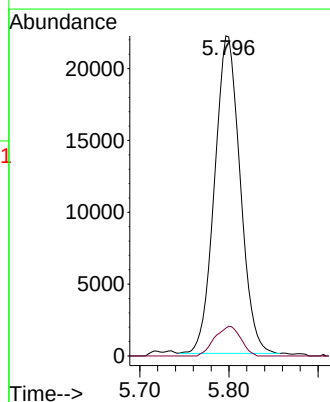
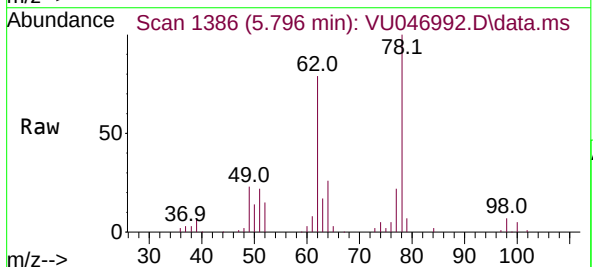
Acq: 02 Feb 2022 03:23

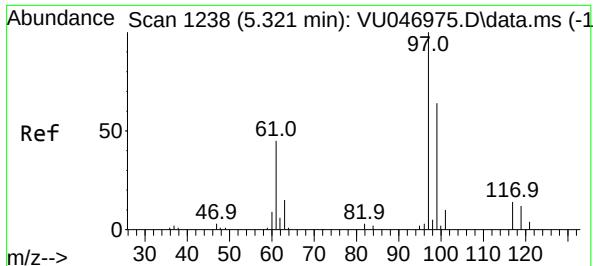
Tgt Ion: 62 Resp: 44068

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.915 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

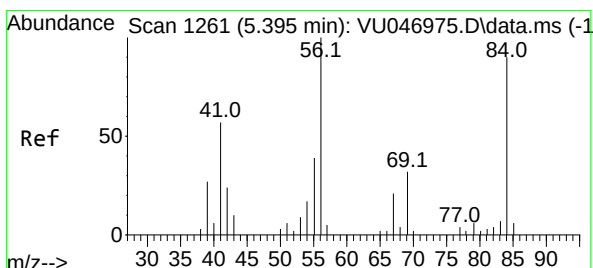
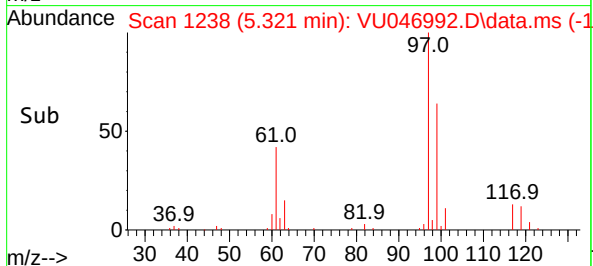
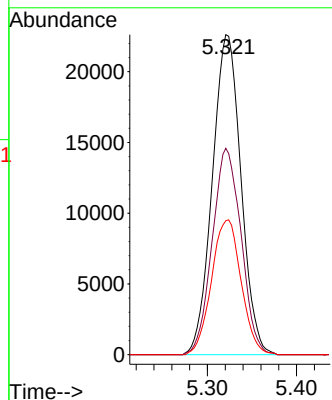
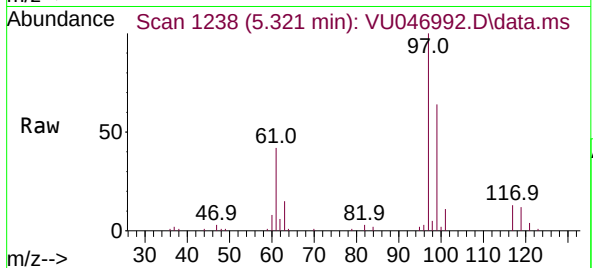
Tgt Ion: 97 Resp: 50541

Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 43.6 36.1 54.1



#30

Cyclohexane

Concen: 3.649 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

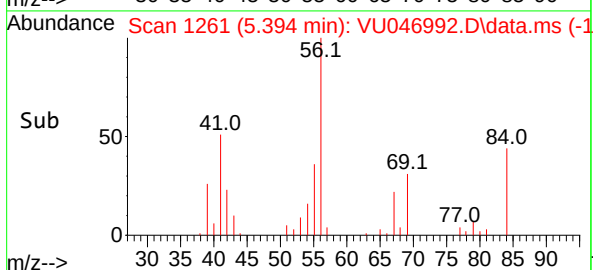
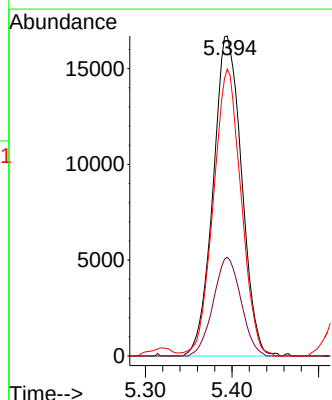
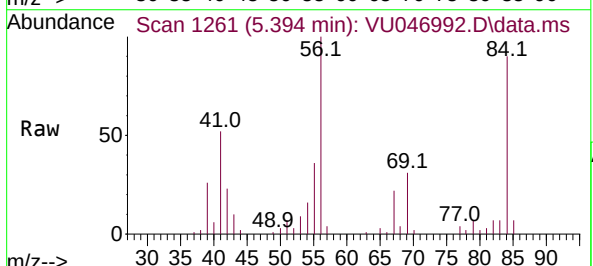
Tgt Ion: 56 Resp: 38065

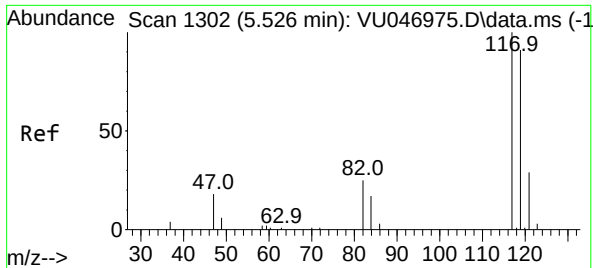
Ion Ratio Lower Upper

56 100

69 30.1 24.7 37.1

84 87.7 71.8 107.6

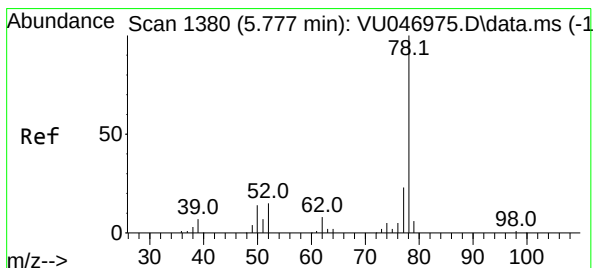
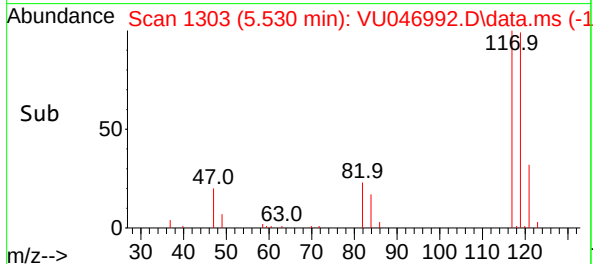
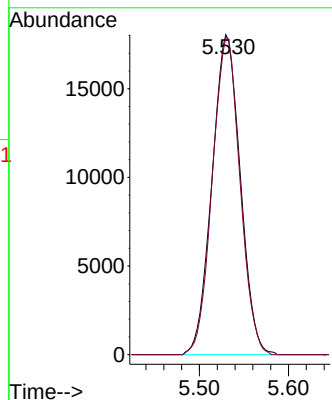
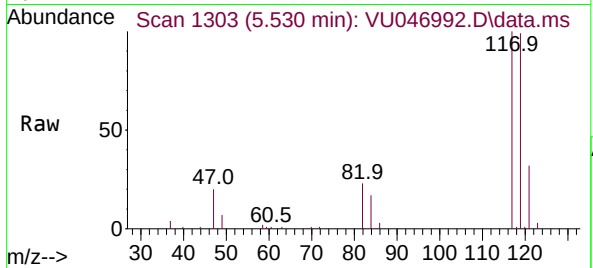




#31
Carbon tetrachloride
Concen: 4.505 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

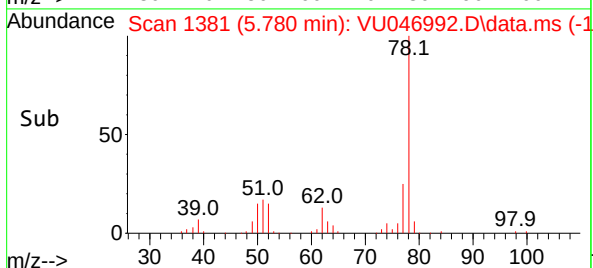
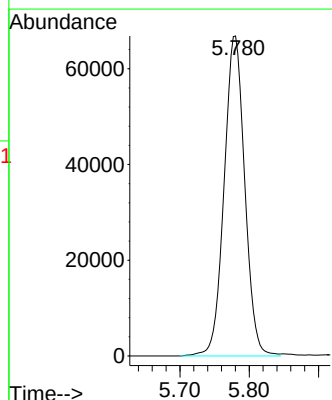
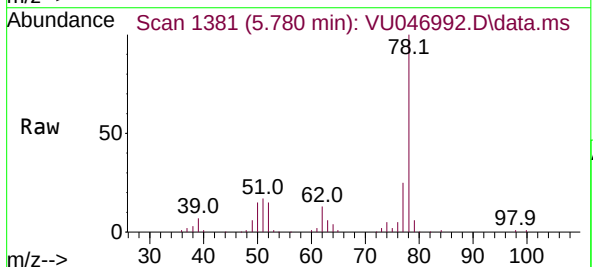
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

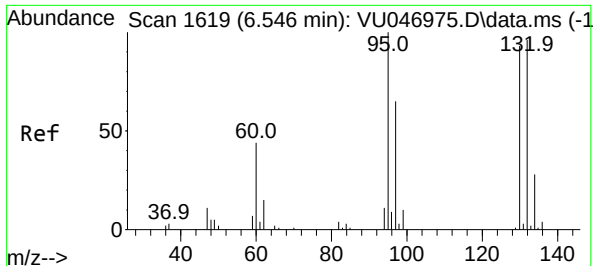
Tgt Ion:117 Resp: 39756
Ion Ratio Lower Upper
117 100
119 96.8 77.5 116.3



#33
Benzene
Concen: 5.154 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion: 78 Resp: 138547





#34

Trichloroethene

Concen: 4.579 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

Tgt Ion: 95 Resp: 31960

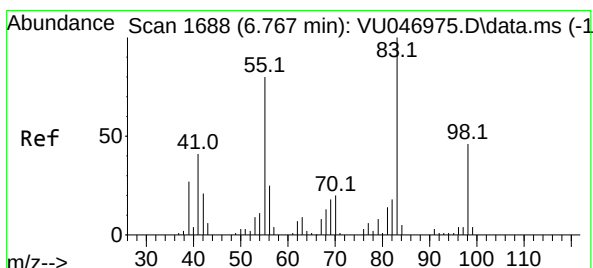
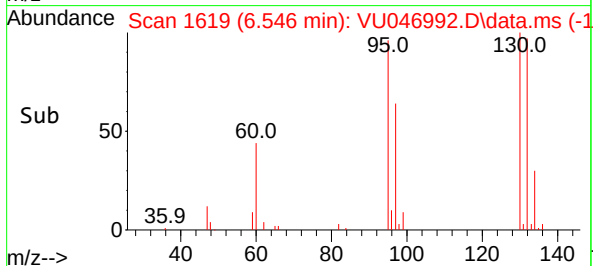
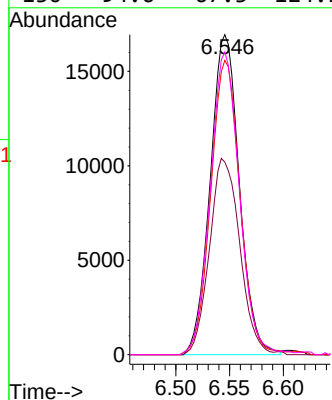
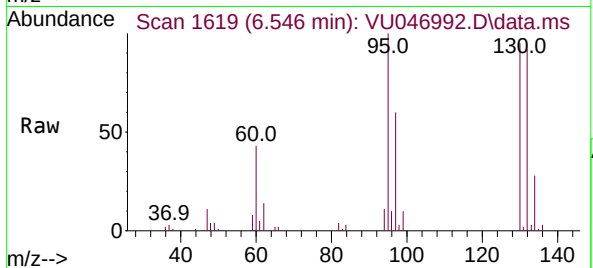
Ion Ratio Lower Upper

95 100

97 60.1 46.5 86.5

132 91.9 65.1 120.9

130 94.6 67.3 124.9



#35

Methylcyclohexane

Concen: 3.219 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

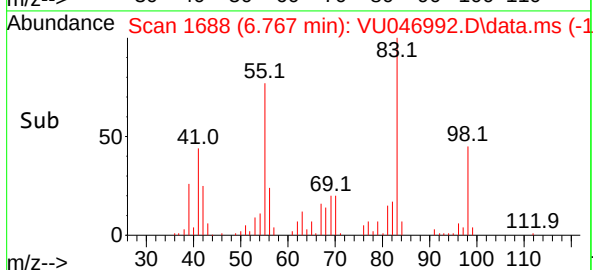
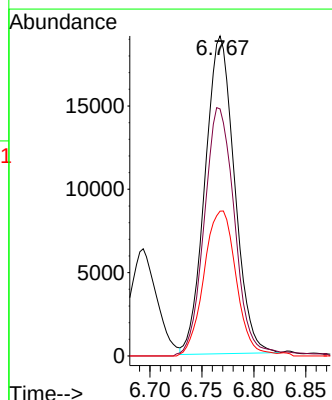
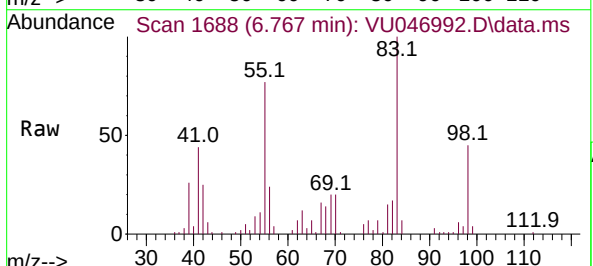
Tgt Ion: 83 Resp: 37630

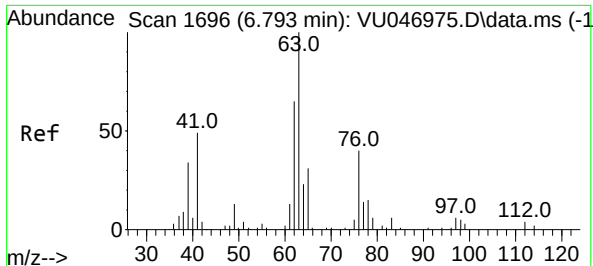
Ion Ratio Lower Upper

83 100

55 81.4 61.9 92.9

98 49.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.726 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

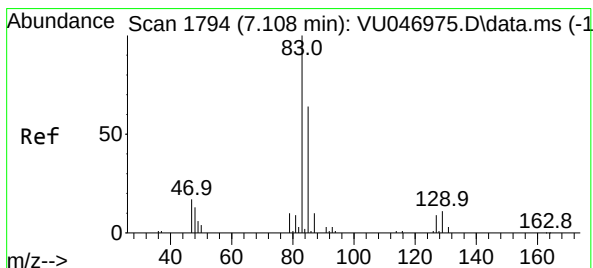
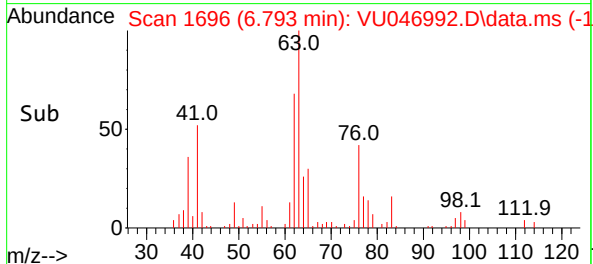
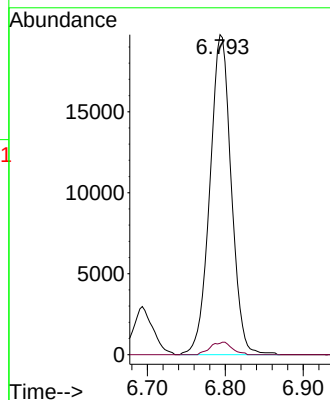
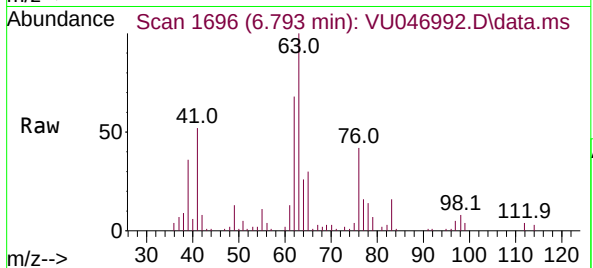
VSTD005183

Tgt Ion: 63 Resp: 37760

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 4.823 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

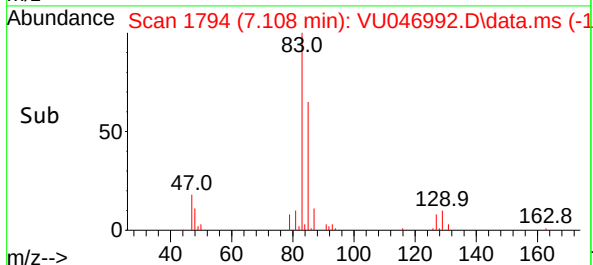
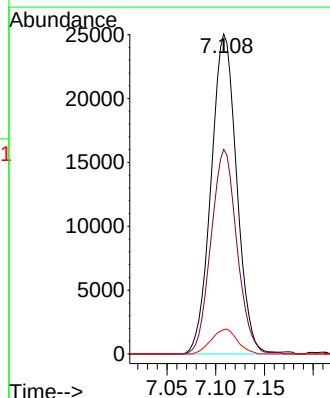
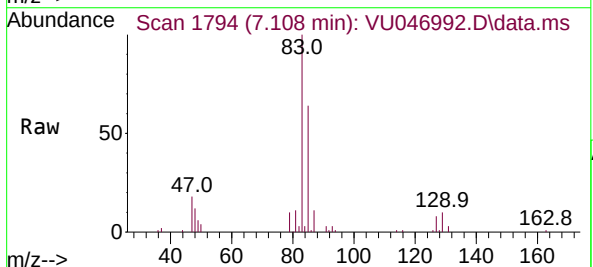
Tgt Ion: 83 Resp: 45773

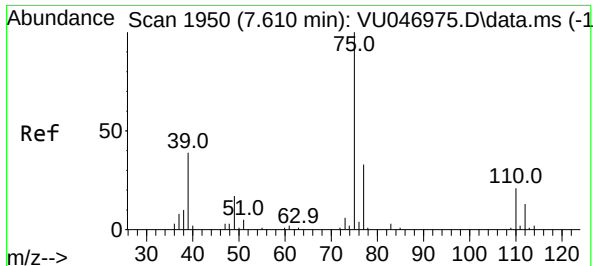
Ion Ratio Lower Upper

83 100

85 63.9 44.0 81.8

127 7.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.424 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

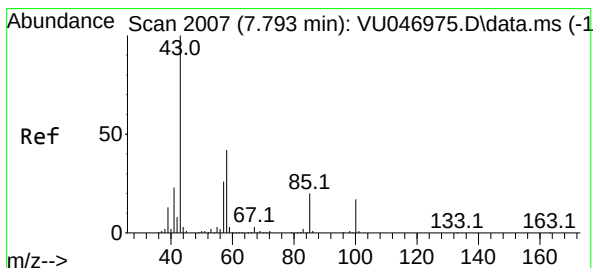
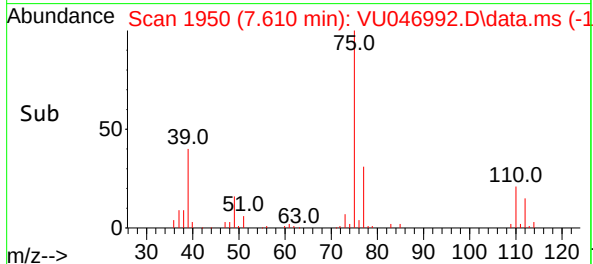
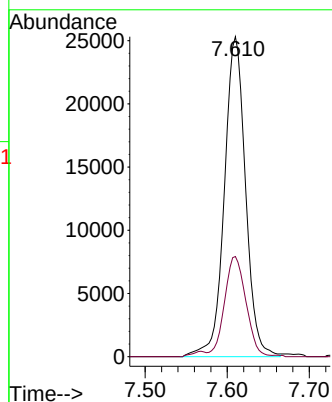
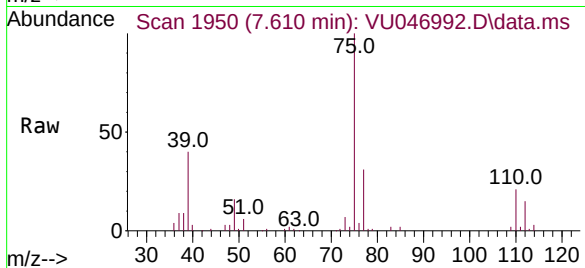
VSTD005183

Tgt Ion: 75 Resp: 45518

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 52.157 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

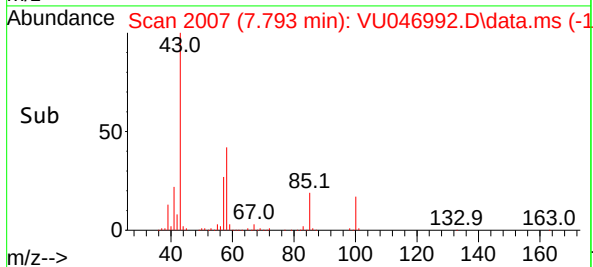
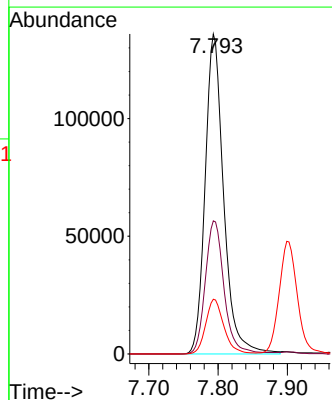
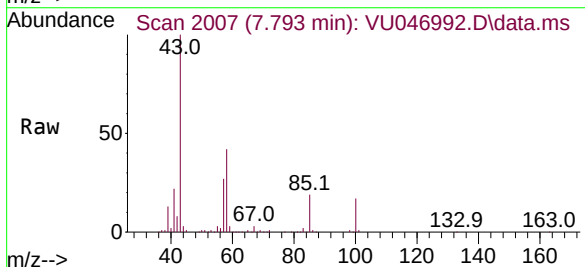
Tgt Ion: 43 Resp: 252151

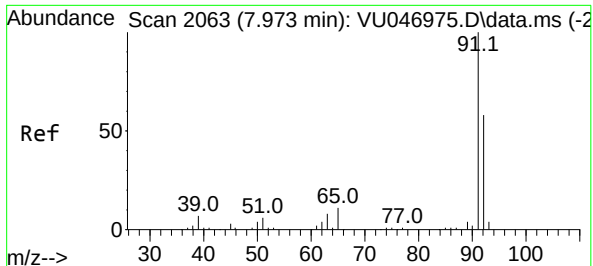
Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7

100 16.9 13.2 19.8

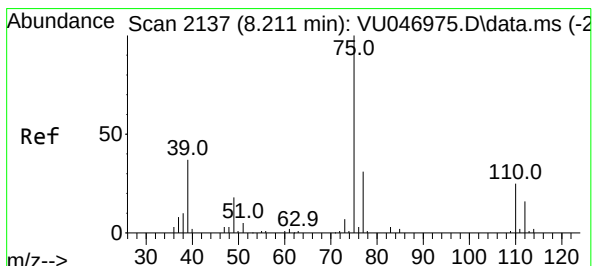
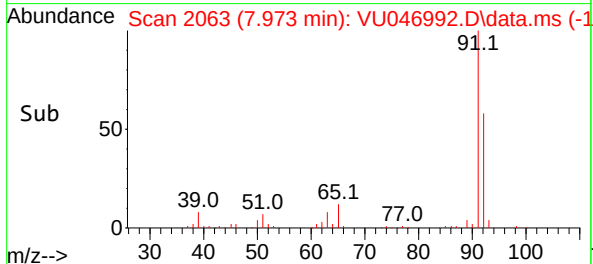
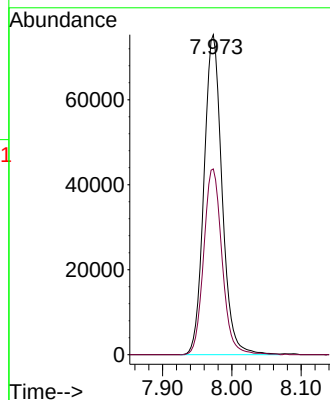
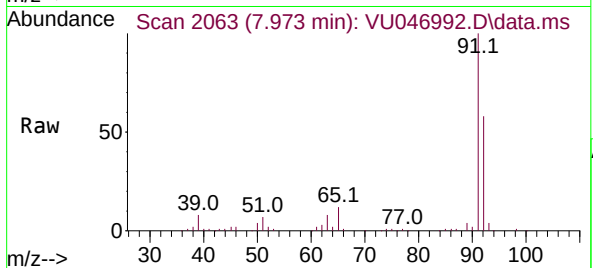




#42
Toluene
Concen: 4.247 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

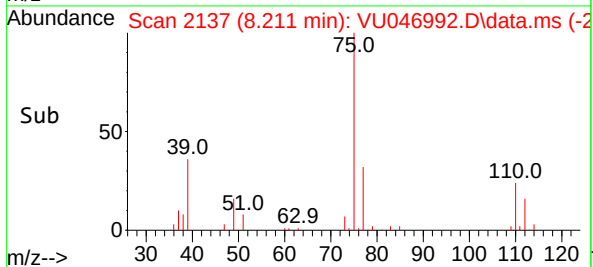
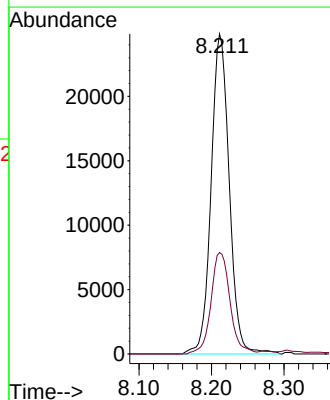
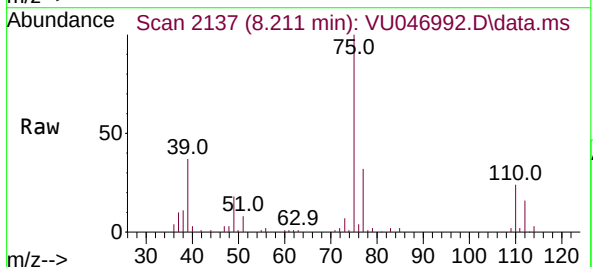
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

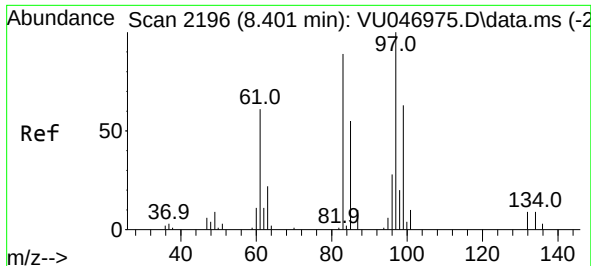
Tgt Ion: 91 Resp: 136445
Ion Ratio Lower Upper
91 100
92 58.0 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 4.715 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion: 75 Resp: 43223
Ion Ratio Lower Upper
75 100
77 31.7 22.7 42.3

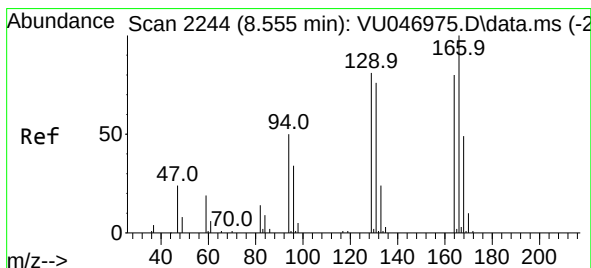
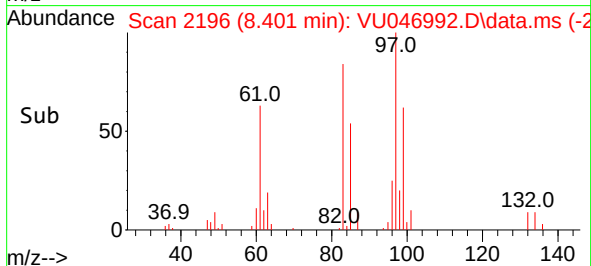
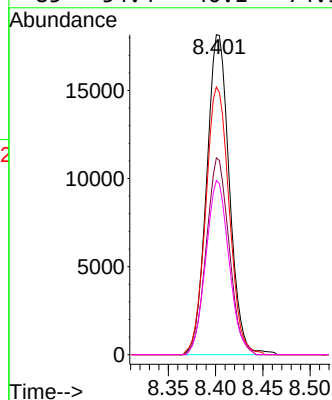
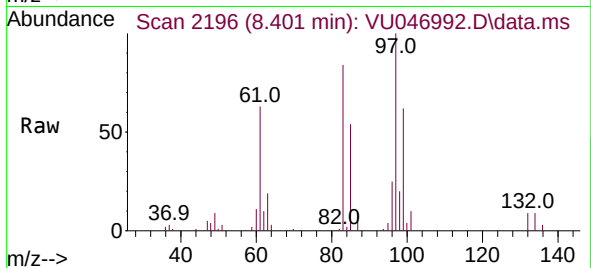




#45
1,1,2-Trichloroethane
Concen: 5.424 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

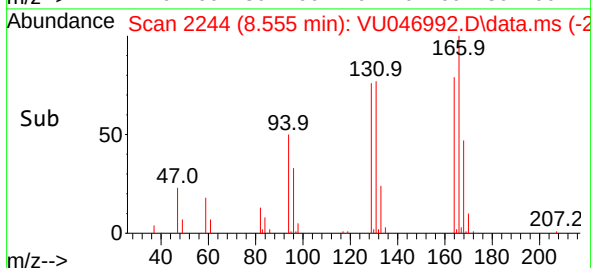
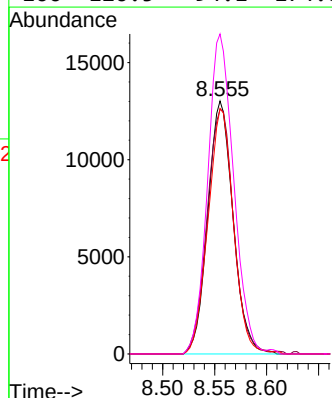
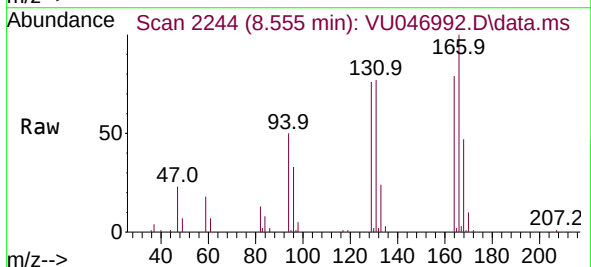
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

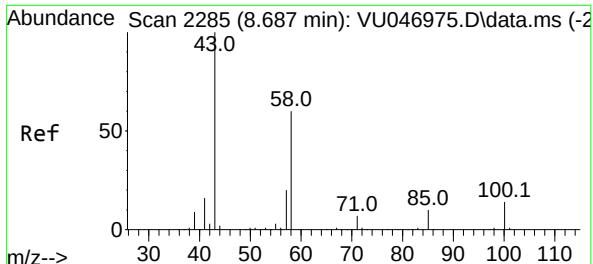
Tgt Ion:	97	Resp:	30431
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.3	78.5
83	83.7	62.0	115.2
85	54.4	40.1	74.5



#47
Tetrachloroethene
Concen: 3.881 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion:	164	Resp:	22030
Ion	Ratio	Lower	Upper
164	100		
129	96.7	71.8	133.4
131	97.0	68.5	127.3
166	126.5	94.1	174.8



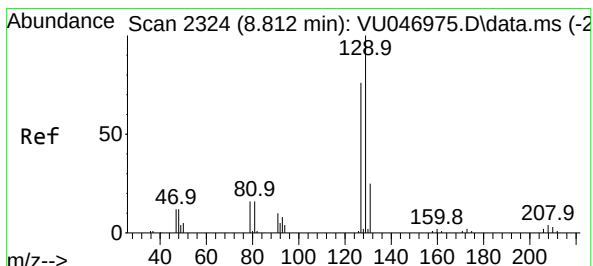
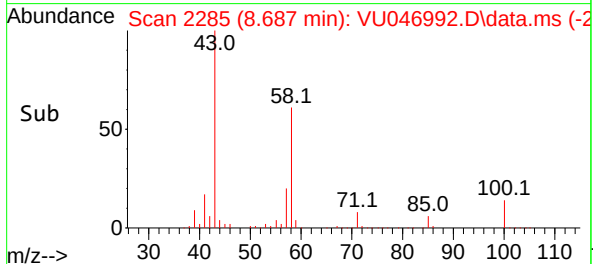
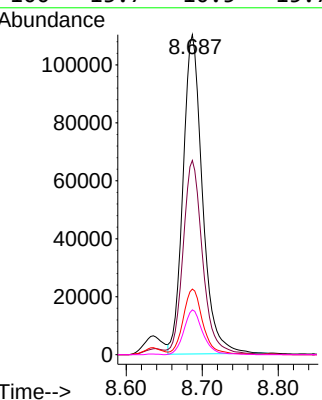
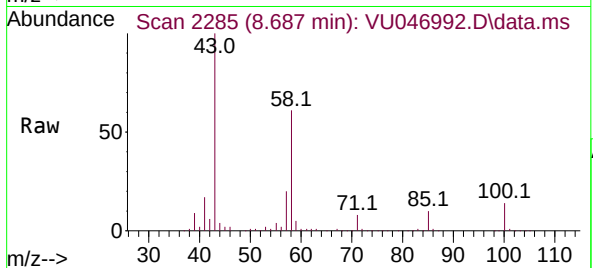


#48
2-Hexanone
Concen: 53.632 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

Tgt Ion: 43 Resp: 195711

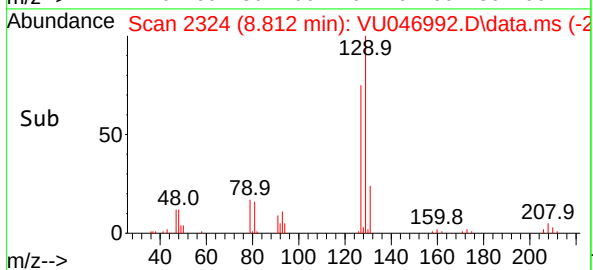
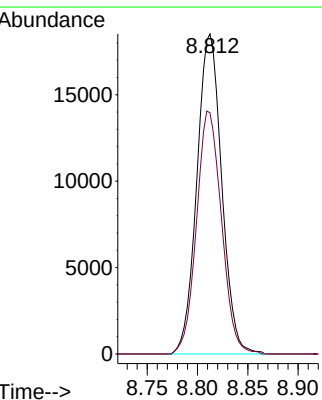
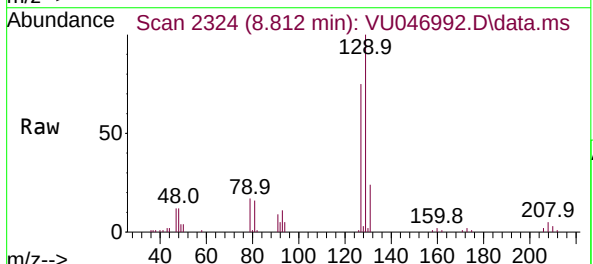
Ion	Ratio	Lower	Upper
43	100		
58	60.9	46.7	70.1
57	20.7	16.3	24.5
100	13.7	10.5	15.7

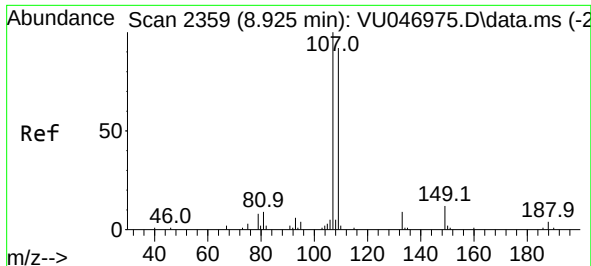


#49
Dibromochloromethane
Concen: 4.812 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion: 129 Resp: 31843

Ion	Ratio	Lower	Upper
129	100		
127	75.4	55.4	102.8

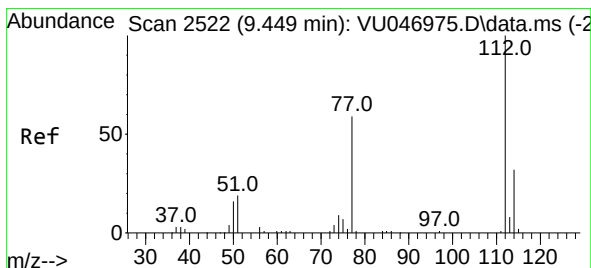
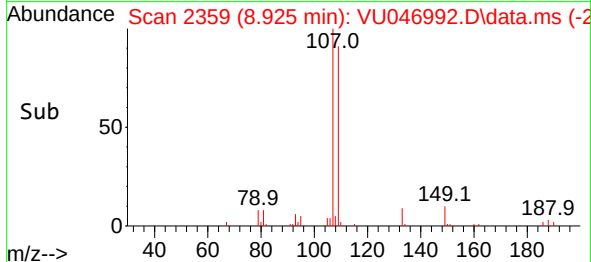
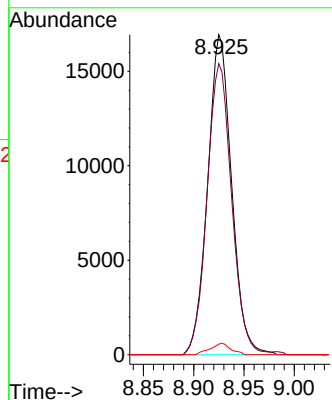
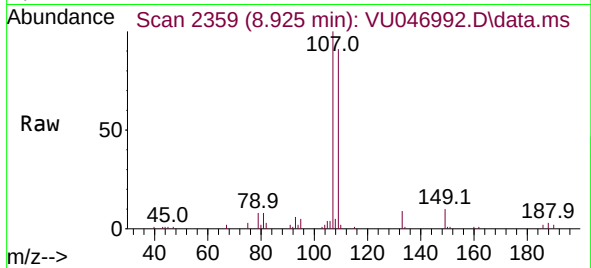




#50
1,2-Dibromoethane
Concen: 4.932 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

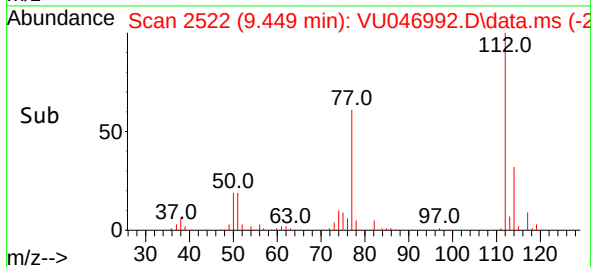
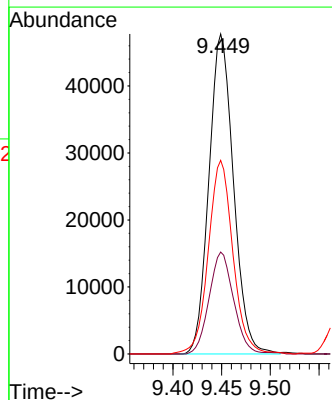
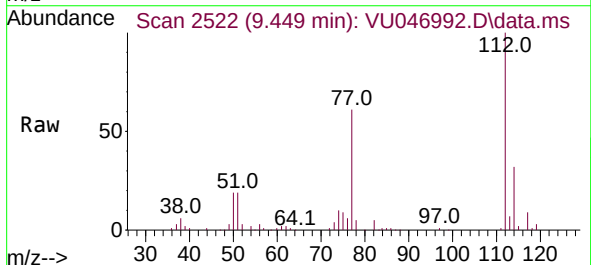
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

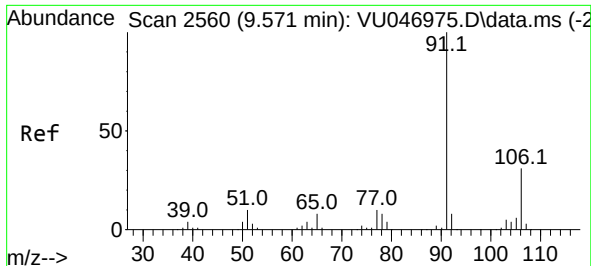
Tgt Ion:107 Resp: 28044
Ion Ratio Lower Upper
107 100
109 91.0 64.0 119.0
188 3.3 2.4 3.6



#51
Chlorobenzene
Concen: 4.487 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion:112 Resp: 83733
Ion Ratio Lower Upper
112 100
114 31.9 22.1 41.1
77 60.5 48.3 72.5

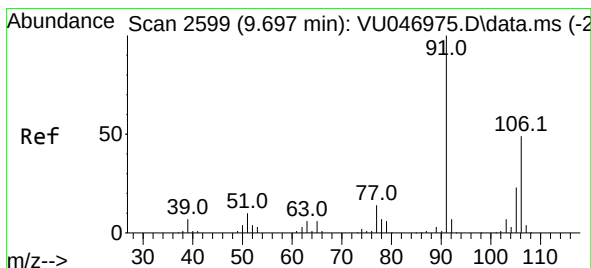
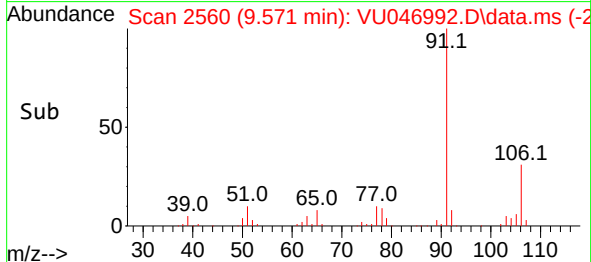
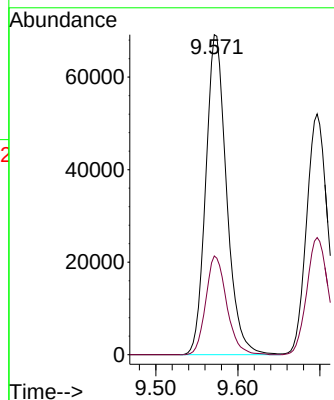
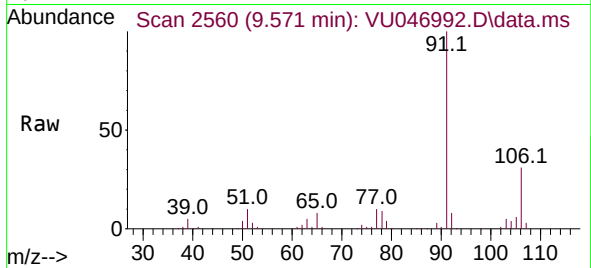




#52
Ethylbenzene
Concen: 3.997 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

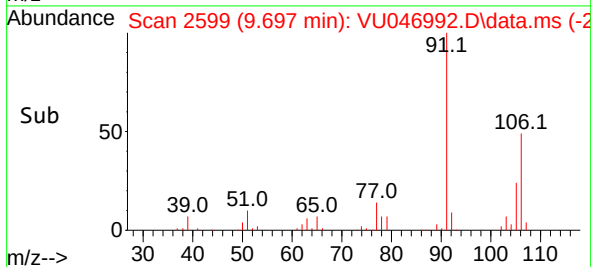
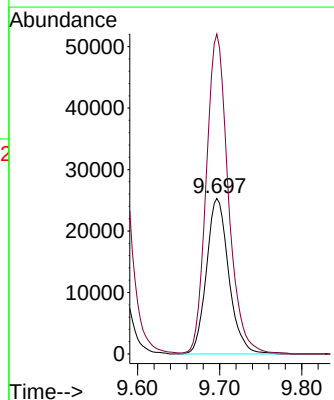
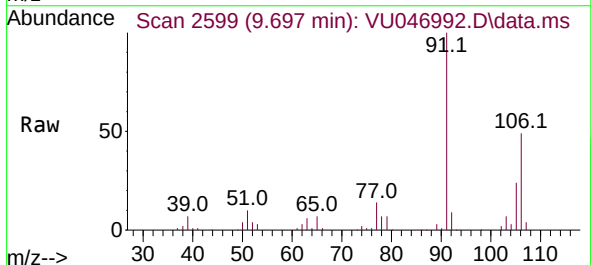
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

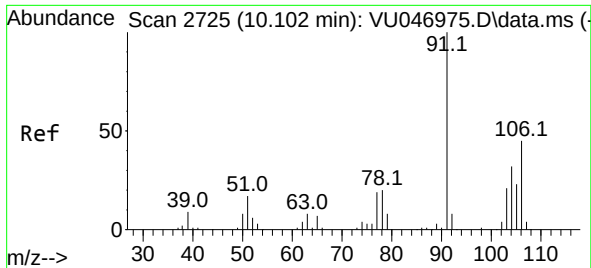
Tgt Ion: 91 Resp: 122085
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9



#53
m,p-Xylene
Concen: 3.930 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion: 106 Resp: 47860
Ion Ratio Lower Upper
106 100
91 205.7 139.4 259.0

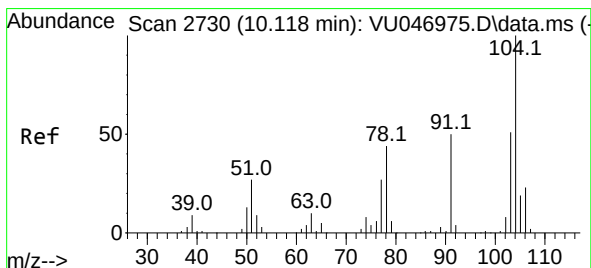
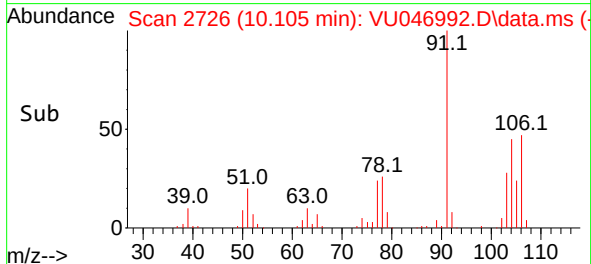
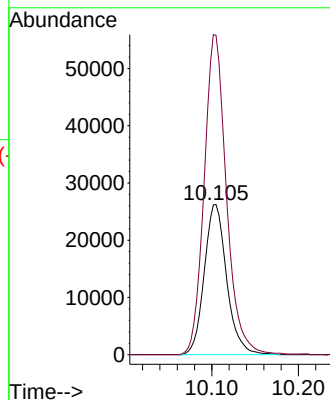
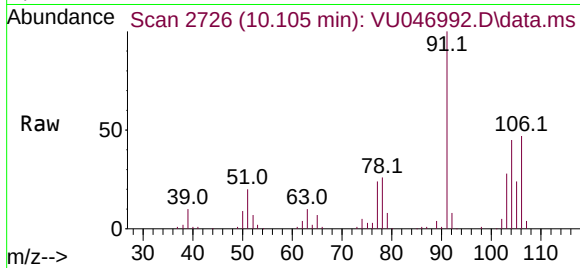




#54
o-Xylene
Concen: 3.997 ug/L
RT: 10.105 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

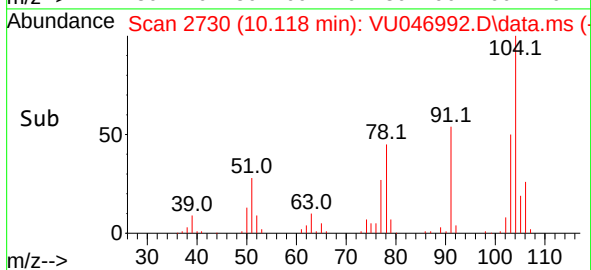
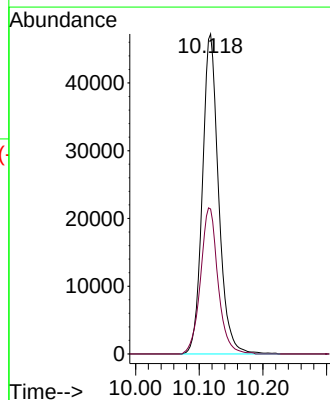
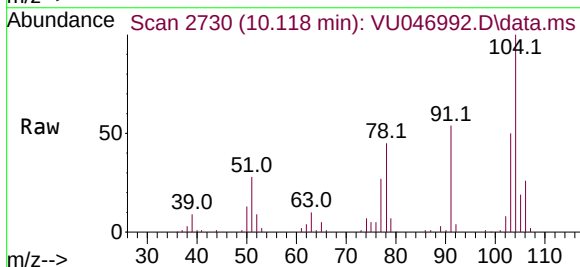
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

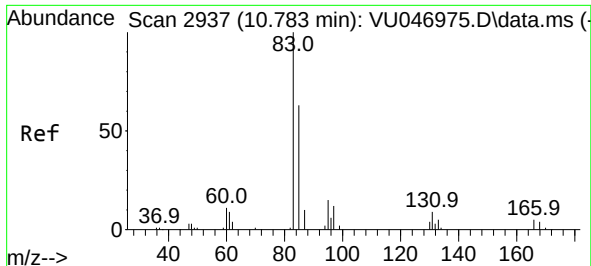
Tgt Ion:106 Resp: 47176
Ion Ratio Lower Upper
106 100
91 212.8 147.5 273.9



#55
Styrene
Concen: 4.320 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion:104 Resp: 83413
Ion Ratio Lower Upper
104 100
78 45.3 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.182 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

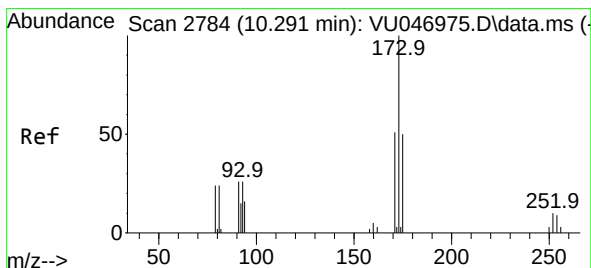
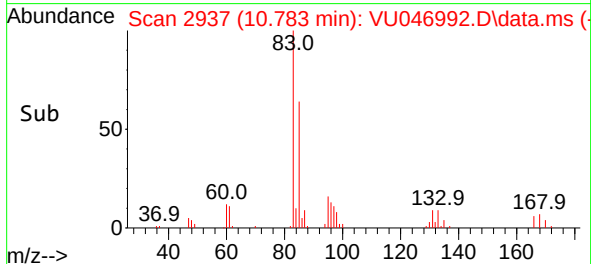
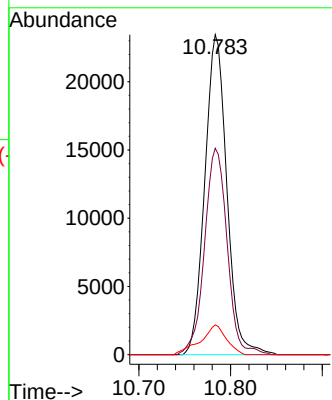
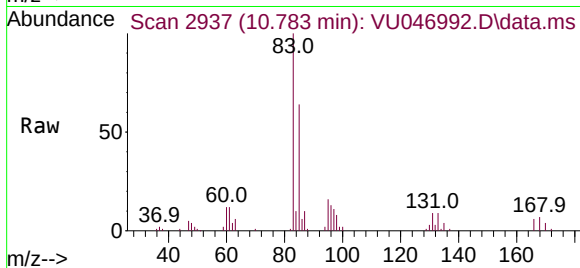
Tgt Ion: 83 Resp: 39100

Ion Ratio Lower Upper

83 100

85 64.5 47.9 89.1

131 9.3 8.1 12.1



#59

Bromoform

Concen: 4.745 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

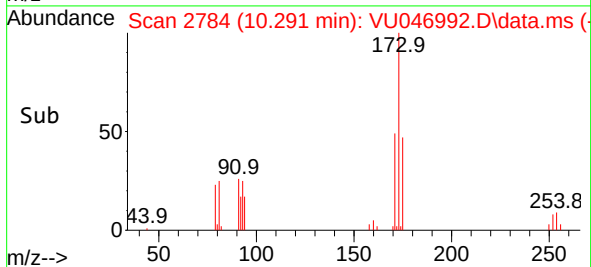
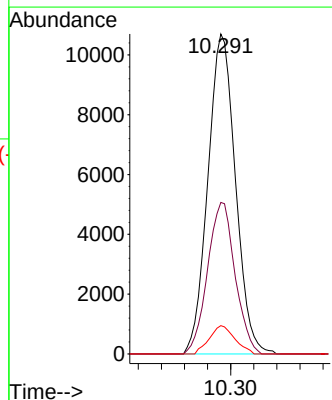
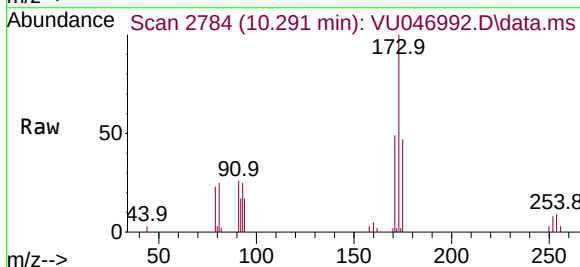
Tgt Ion:173 Resp: 17738

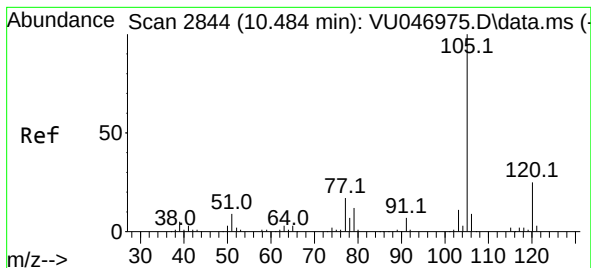
Ion Ratio Lower Upper

173 100

175 47.1 37.8 56.6

254 8.2 7.3 10.9





#60

Isopropylbenzene

Concen: 4.045 ug/L

RT: 10.488 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

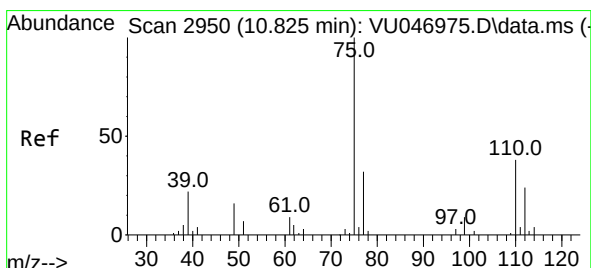
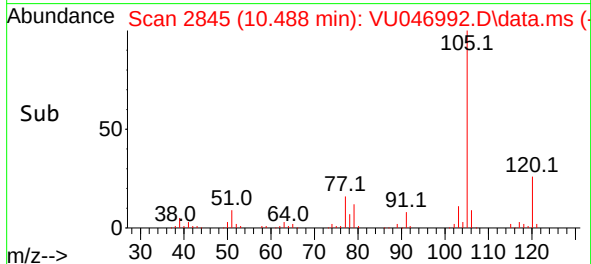
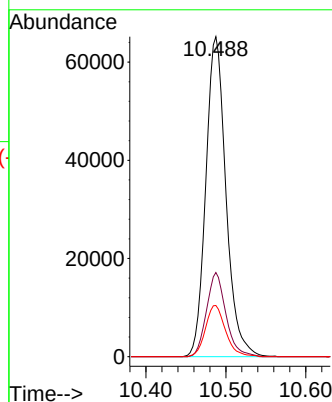
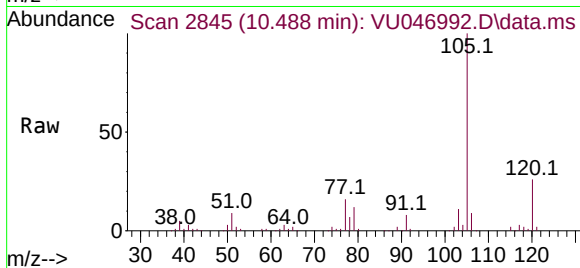
Tgt Ion:105 Resp: 114376

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.621 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

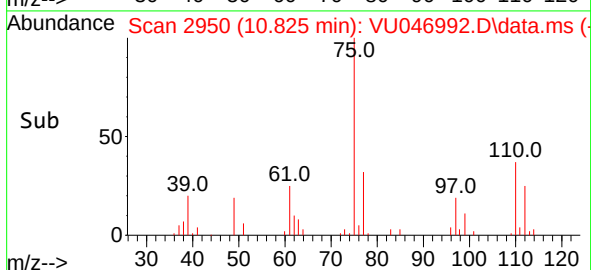
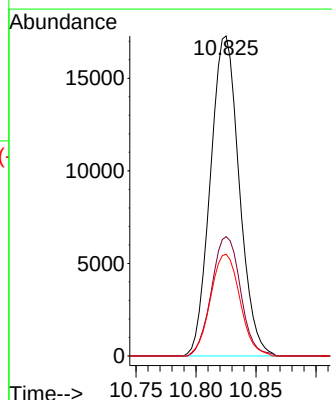
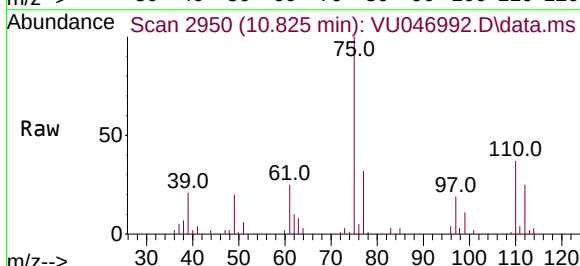
Tgt Ion: 75 Resp: 28909

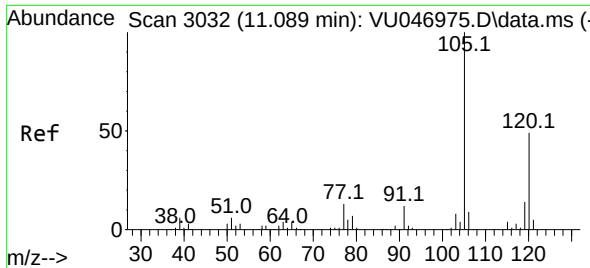
Ion Ratio Lower Upper

75 100

110 37.5 29.9 44.9

77 32.4 25.5 38.3

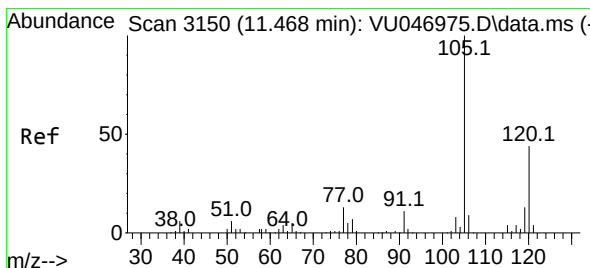
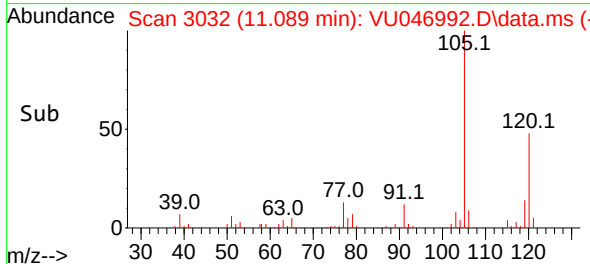
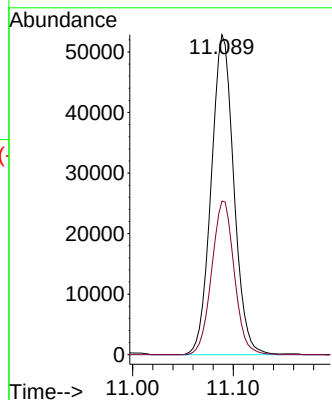
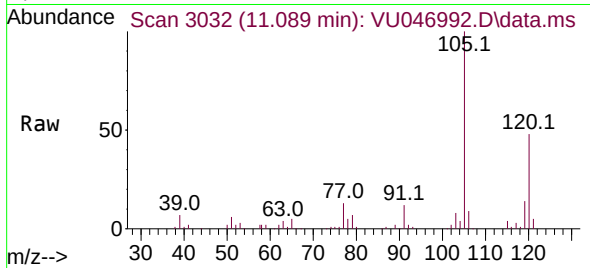




#62
 1,3,5-Trimethylbenzene
 Concen: 3.564 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU046992.D
 Acq: 02 Feb 2022 03:23

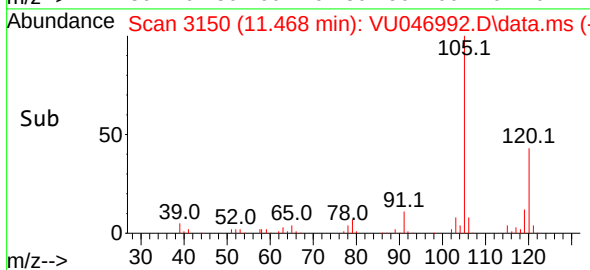
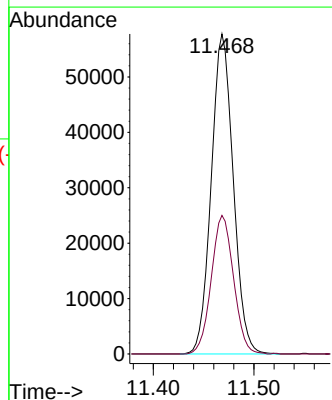
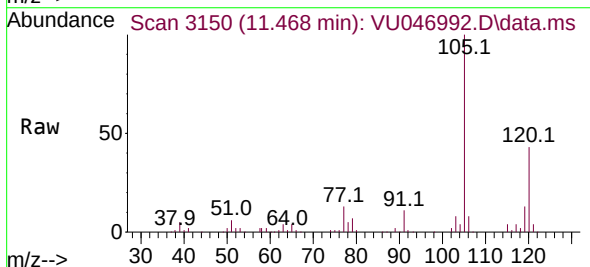
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

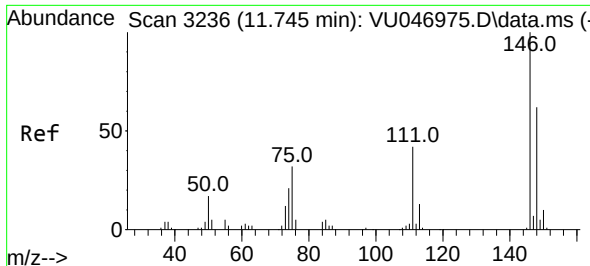
Tgt Ion:105 Resp: 82713
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 3.675 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU046992.D
 Acq: 02 Feb 2022 03:23

Tgt Ion:105 Resp: 87777
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.8 53.8

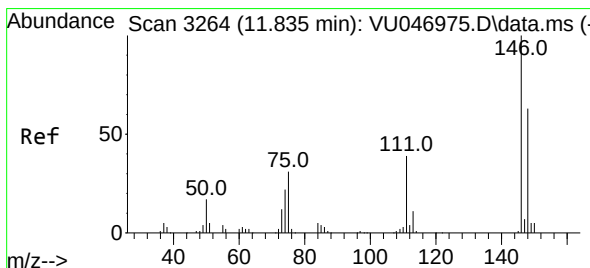
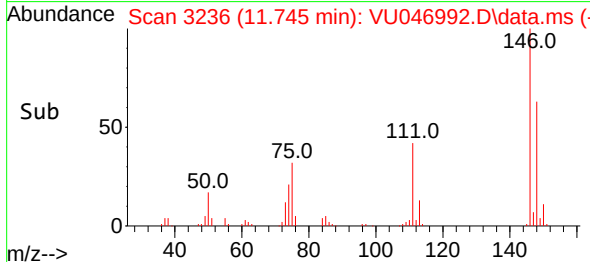
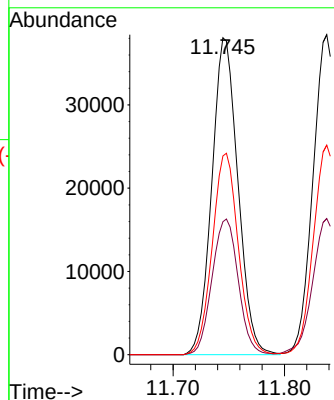
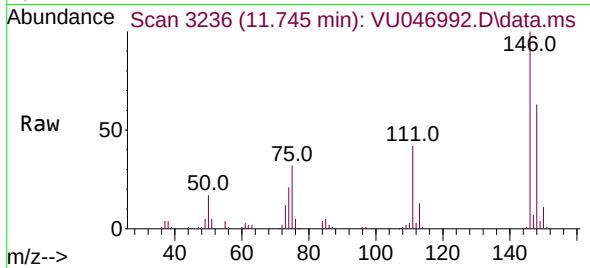




#64
1,3-Dichlorobenzene
Concen: 4.382 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

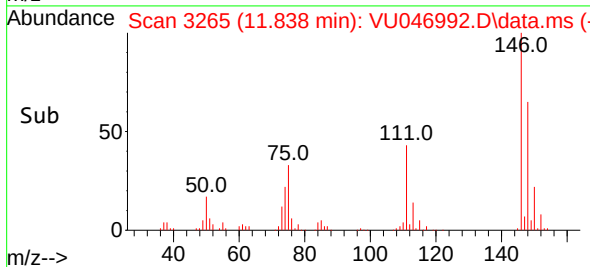
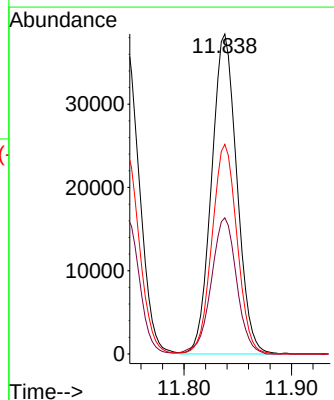
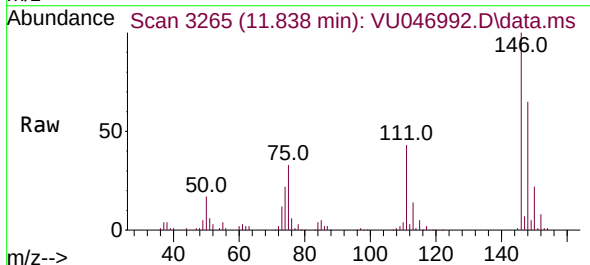
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

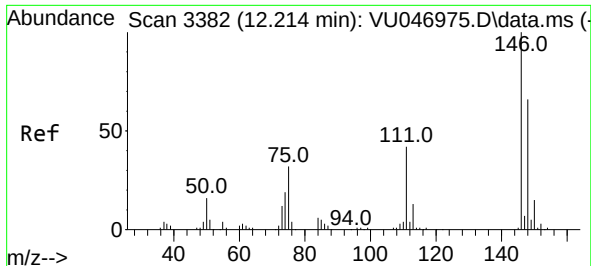
Tgt Ion:146 Resp: 61932
Ion Ratio Lower Upper
146 100
111 41.9 29.9 55.5
148 62.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.428 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion:146 Resp: 62990
Ion Ratio Lower Upper
146 100
111 42.5 28.7 53.3
148 65.5 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.469 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

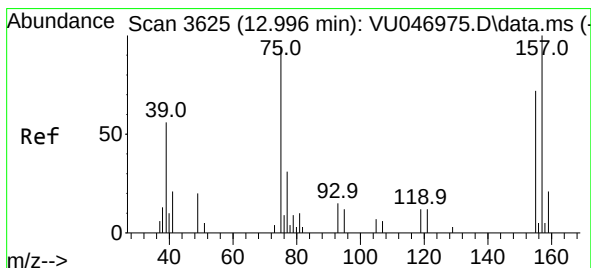
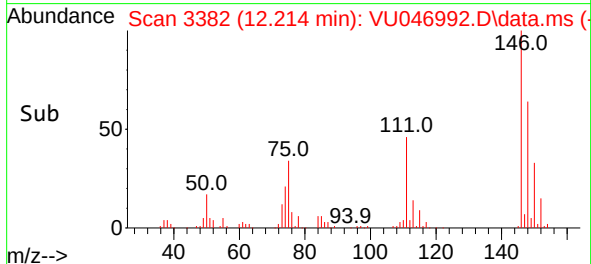
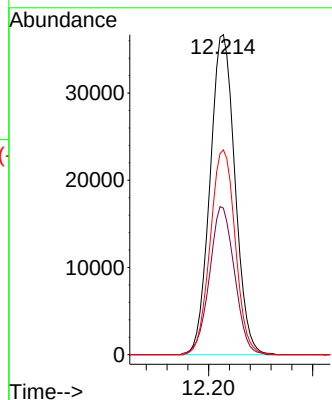
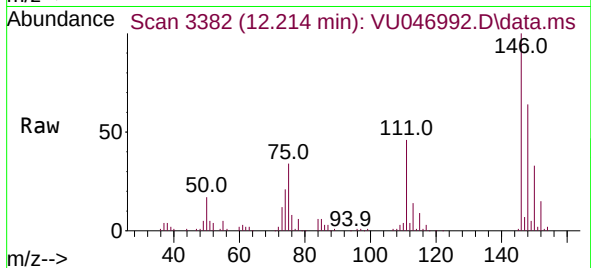
Tgt Ion:146 Resp: 61092

Ion Ratio Lower Upper

146 100

111 45.8 35.4 53.0

148 64.0 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.392 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU046992.D

Acq: 02 Feb 2022 03:23

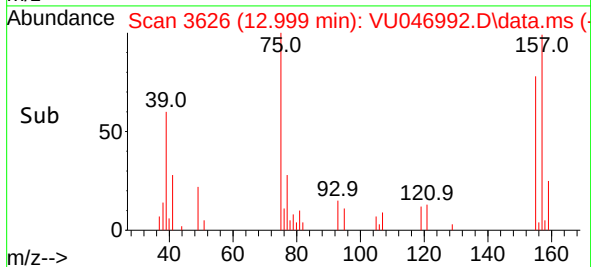
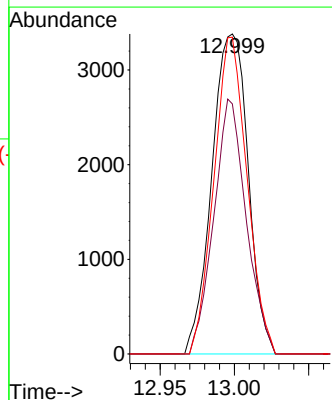
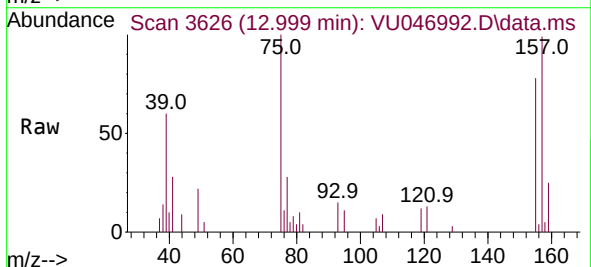
Tgt Ion: 75 Resp: 5757

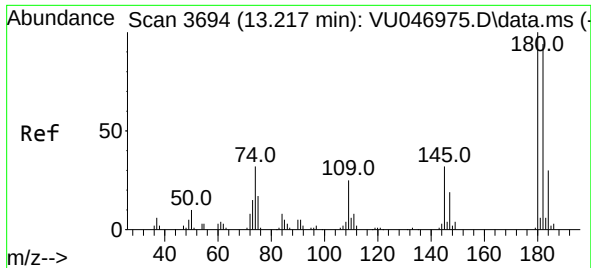
Ion Ratio Lower Upper

75 100

155 78.1 59.2 88.8

157 99.0 76.5 114.7

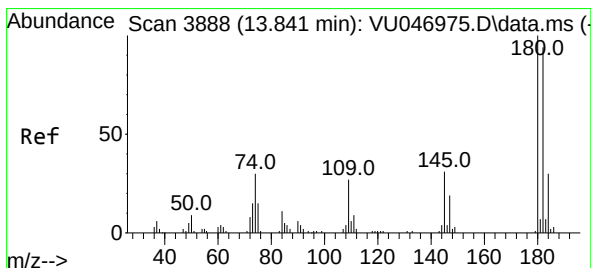
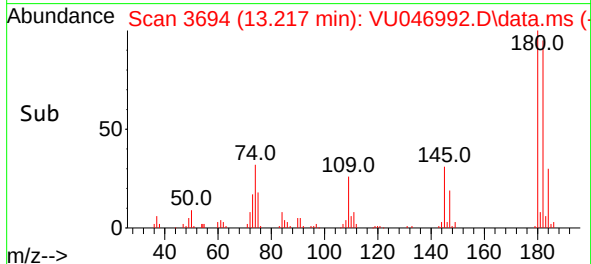
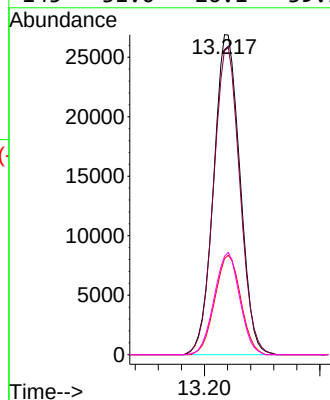
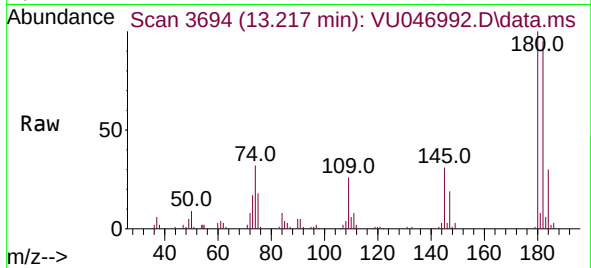




#69
1,3,5-Trichlorobenzene
Concen: 3.807 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

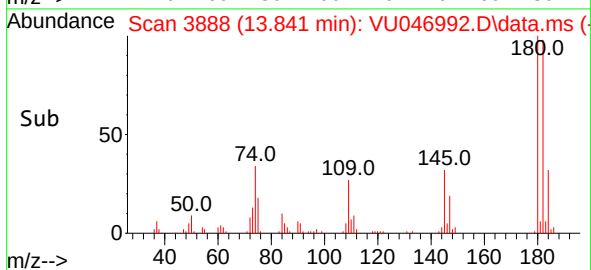
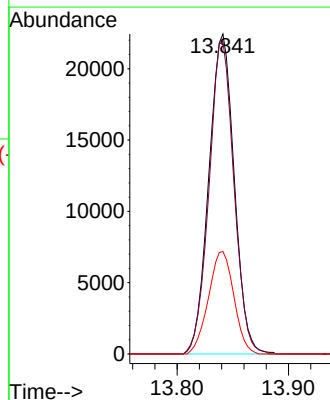
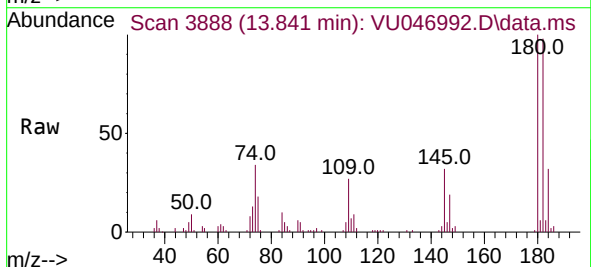
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

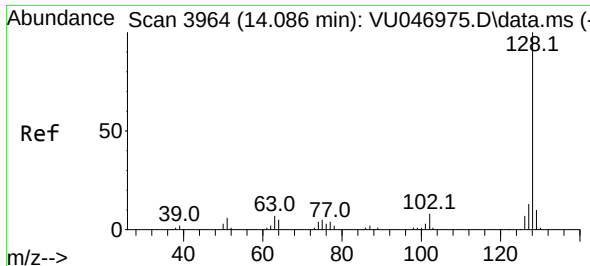
Tgt Ion:180	Resp:	42419
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.1 114.1
184	30.7	25.0 37.4
145	31.0	26.1 39.1



#70
1,2,4-trichlorobenzene
Concen: 3.803 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion:180	Resp:	35430
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.4 114.6
145	32.2	25.6 38.4

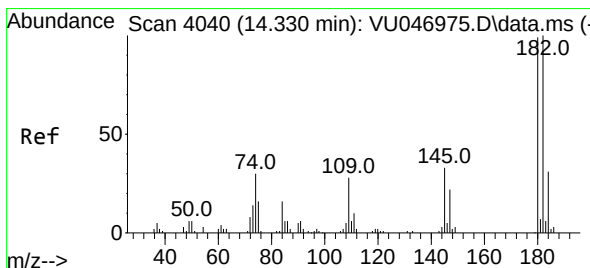
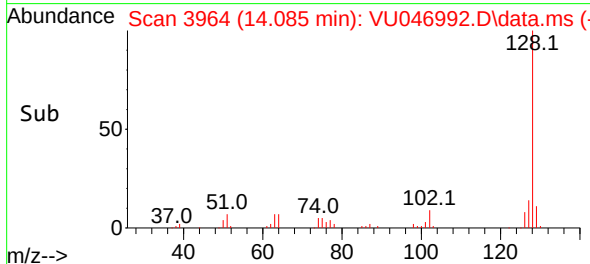
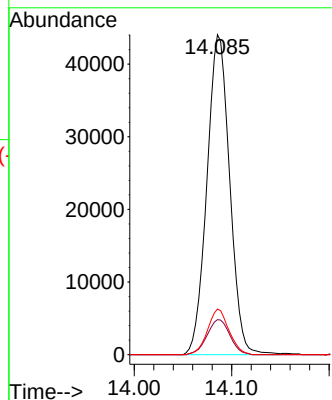
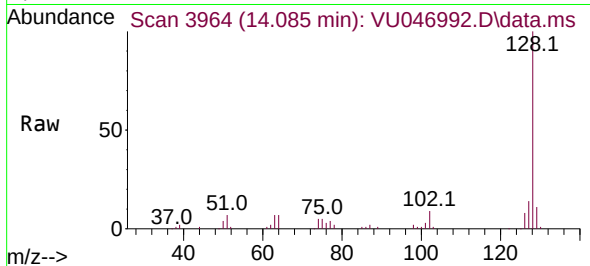




#71
Naphthalene
Concen: 3.767 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

Tgt Ion:128	Resp:	71452
Ion	Ratio	Lower Upper
128	100	
129	11.0	8.4 12.6
127	13.4	10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.194 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046992.D
Acq: 02 Feb 2022 03:23

Tgt Ion:180	Resp:	36911
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.2 114.4
145	34.2	28.4 42.6

