

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046361.D
 Acq On : 14 Dec 2021 17:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050142

Quant Time: Dec 15 01:44:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 01:40:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	149209	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	150727	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	84233	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	51884	42.213	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.420%
7) Chloroethane-d5	1.919	69	38915	41.237	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.480%
11) 1,1-Dichloroethene-d2	2.575	63	92516	41.929	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.860%
21) 2-Butanone-d5	4.639	46	83536	85.495	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.500%
24) Chloroform-d	5.067	84	100043	48.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.480%
26) 1,2-Dichloroethane-d4	5.703	65	63967	46.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.880%
32) Benzene-d6	5.729	84	189640	43.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.694	67	58970	44.044	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.080%
41) Toluene-d8	7.899	98	169944	43.205	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.420%
43) trans-1,3-Dichloroprop...	8.179	79	28301	43.788	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.580%
47) 2-Hexanone-d5	8.632	63	64038	100.877	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	93387	45.993	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.192	152	65979	40.673	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	65305	40.228	ug/L	100
3) Chloromethane	1.523	50	57163	39.369	ug/L	100
5) Vinyl chloride	1.607	62	59660	40.750	ug/L	99
6) Bromomethane	1.864	94	34935	42.100	ug/L	98
8) Chloroethane	1.941	64	35719	42.137	ug/L	100
9) Trichlorofluoromethane	2.144	101	91932	48.097	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	52330	48.199	ug/L	99
12) 1,1-Dichloroethene	2.584	96	45597	44.196	ug/L	99
13) Acetone	2.655	43	76635	62.757	ug/L	99
14) Carbon disulfide	2.800	76	103660	32.385	ug/L	99
15) Methyl Acetate	2.957	43	64366	45.216	ug/L	100
16) Methylene chloride	3.051	84	58533	47.686	ug/L	100
17) trans-1,2-Dichloroethene	3.359	96	48789	44.687	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	173409	51.537	ug/L	99
19) 1,1-Dichloroethane	3.877	63	102886	51.828	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	58491	49.373	ug/L	99
22) 2-Butanone	4.716	43	105672	79.493	ug/L	98
23) Bromochloromethane	4.977	128	30389	50.790	ug/L	95
25) Chloroform	5.092	83	110585	50.137	ug/L	99

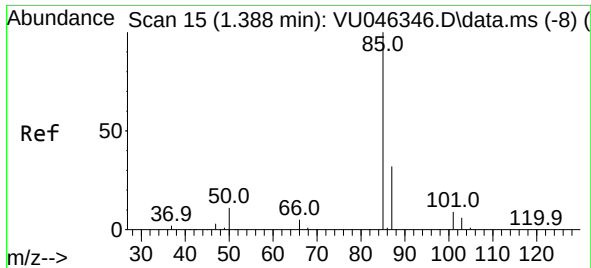
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046361.D
 Acq On : 14 Dec 2021 17:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050142

Quant Time: Dec 15 01:44:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 01:40:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	87150	53.247	ug/L	100
29) Cyclohexane	5.395	56	72032	41.041	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	94735	51.203	ug/L	99
31) Carbon tetrachloride	5.530	117	78909	50.237	ug/L	98
33) Benzene	5.777	78	224384	49.186	ug/L	100
34) Trichloroethene	6.542	95	56262	46.815	ug/L	99
35) Methylcyclohexane	6.768	83	79233	42.519	ug/L	99
37) 1,2-Dichloropropane	6.793	63	61694	51.625	ug/L	100
38) Bromodichloromethane	7.108	83	84083	52.936	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	91510	50.336	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	182030	103.674	ug/L	100
42) Toluene	7.970	91	240576	49.147	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	90606	50.744	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	61675	51.442	ug/L	97
46) Tetrachloroethene	8.555	164	41881	47.421	ug/L	98
48) 2-Hexanone	8.684	43	147763	94.102	ug/L	99
49) Dibromochloromethane	8.809	129	66234	52.608	ug/L	96
50) 1,2-Dibromoethane	8.925	107	62774	48.294	ug/L	97
51) Chlorobenzene	9.449	112	155222	49.014	ug/L	100
52) Ethylbenzene	9.571	91	263581	50.033	ug/L	100
53) m,p-Xylene	9.693	106	100905	49.114	ug/L	97
54) o-xylene	10.102	106	99761	50.042	ug/L	98
55) Styrene	10.115	104	180108	52.917	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	110457	53.738	ug/L	98
59) Bromoform	10.291	173	48840	49.426	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	89396	48.415	ug/L	99
61) Isopropylbenzene	10.484	105	265936	48.524	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	231066	50.583	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	236250	51.692	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	126437	48.568	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	130248	48.410	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	128274	48.929	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	27201	55.298	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	94823	49.989	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	85922	51.044	ug/L	99
71) Naphthalene	14.086	128	332699	56.799	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	92050	53.626	ug/L	100

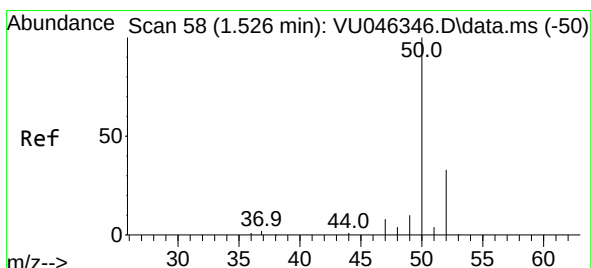
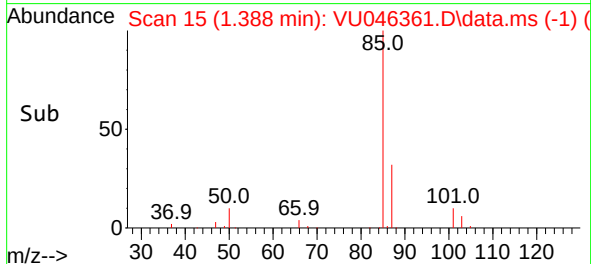
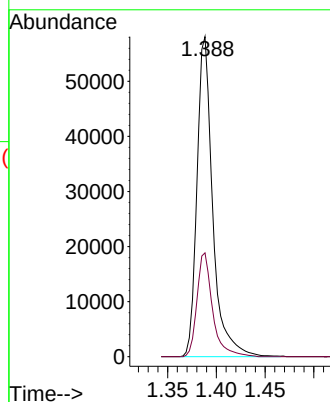
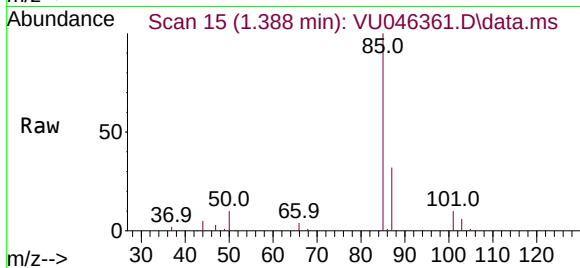
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 40.228 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

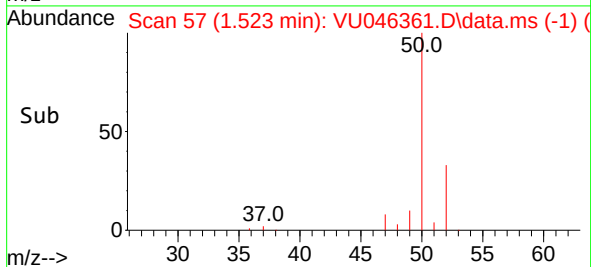
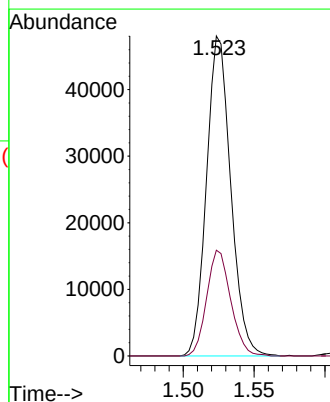
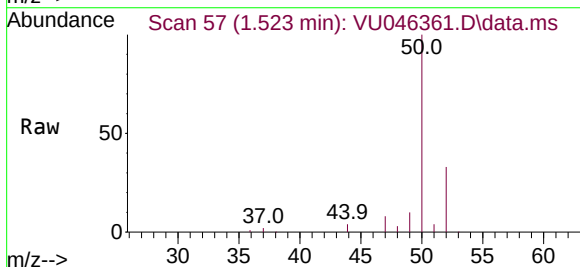
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

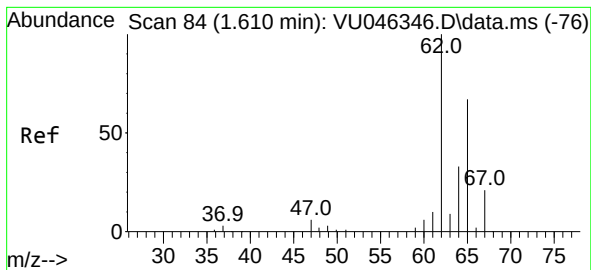
Tgt Ion: 85 Resp: 65305
Ion Ratio Lower Upper
85 100
87 32.2 25.7 38.5



#3
Chloromethane
Concen: 39.369 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion: 50 Resp: 57163
Ion Ratio Lower Upper
50 100
52 33.1 23.2 43.2





#5

Vinyl chloride

Concen: 40.750 ug/L

RT: 1.607 min Scan# 84

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

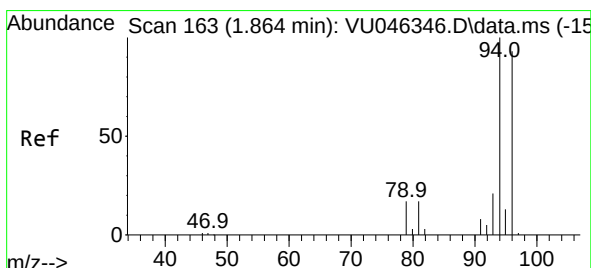
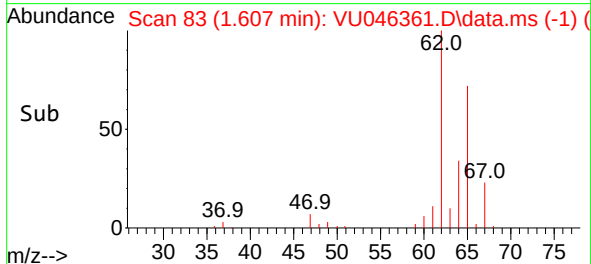
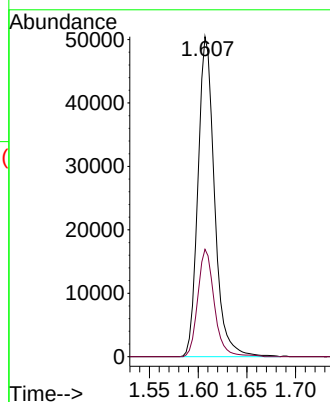
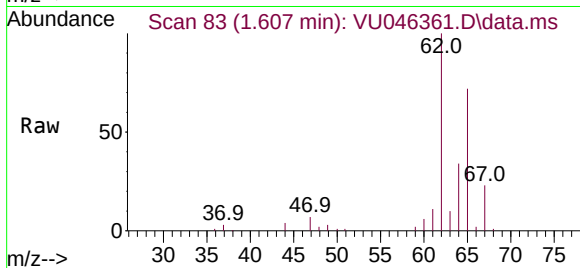
VSTD050142

Tgt Ion: 62 Resp: 59660

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



#6

Bromomethane

Concen: 42.100 ug/L

RT: 1.864 min Scan# 163

Delta R.T. 0.000 min

Lab File: VU046361.D

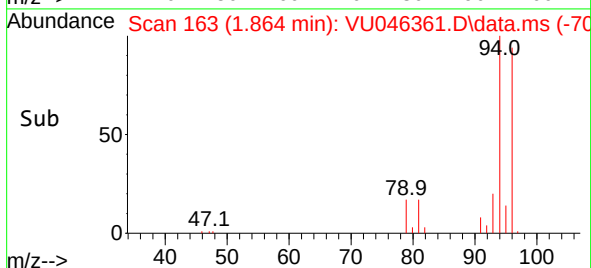
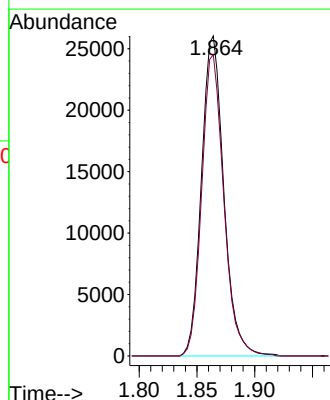
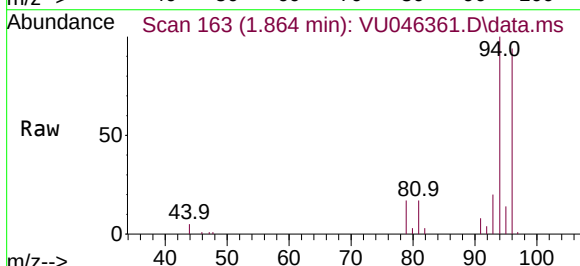
Acq: 14 Dec 2021 17:11

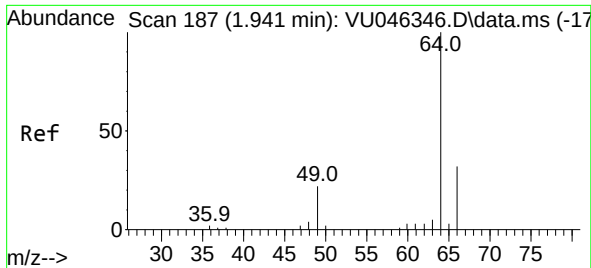
Tgt Ion: 94 Resp: 34935

Ion Ratio Lower Upper

94 100

96 94.1 67.4 125.2

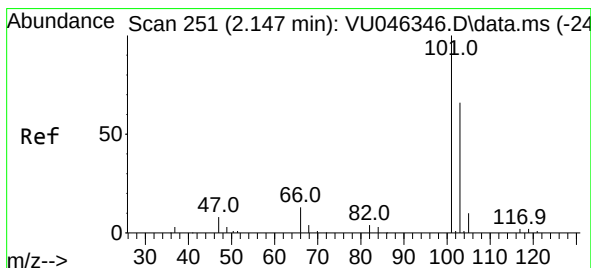
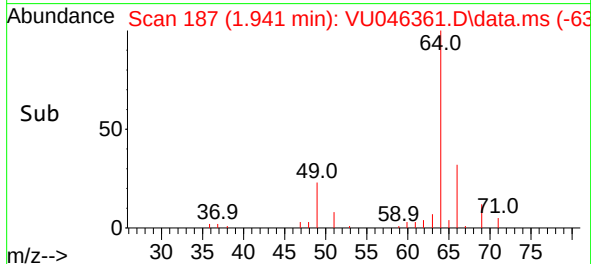
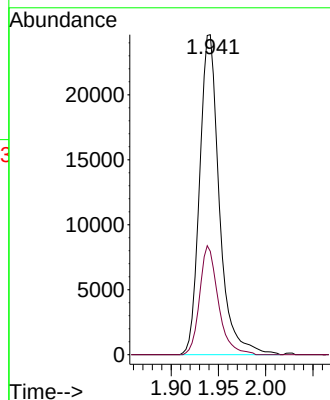
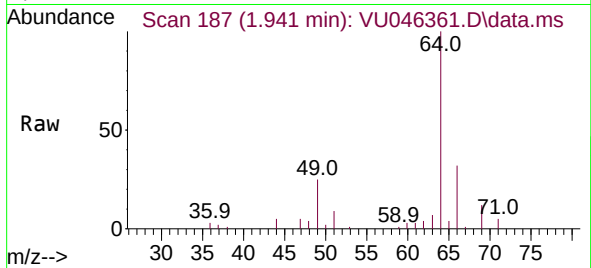




#8
Chloroethane
Concen: 42.137 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

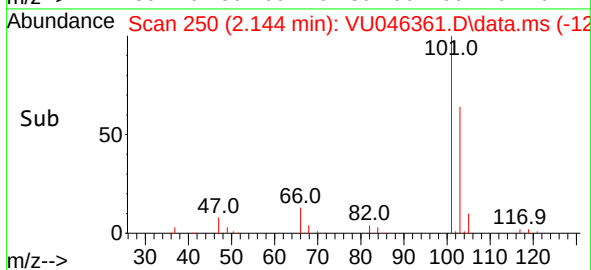
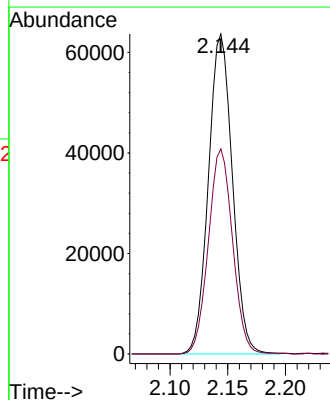
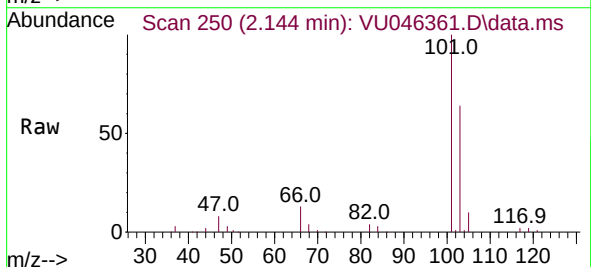
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

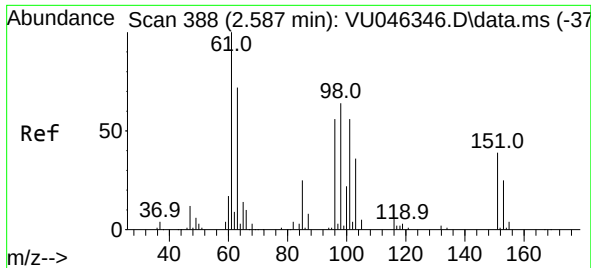
Tgt Ion: 64 Resp: 35719
Ion Ratio Lower Upper
64 100
66 32.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 48.097 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion:101 Resp: 91932
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

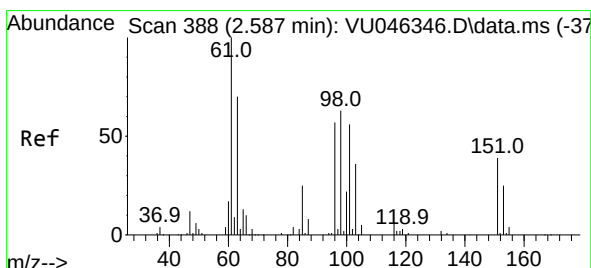
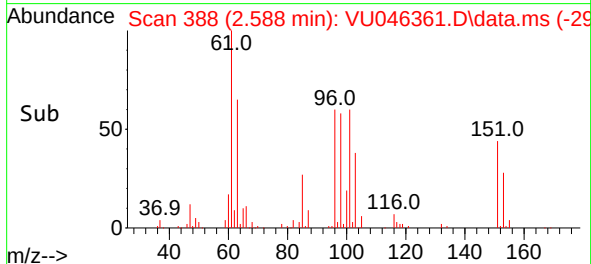
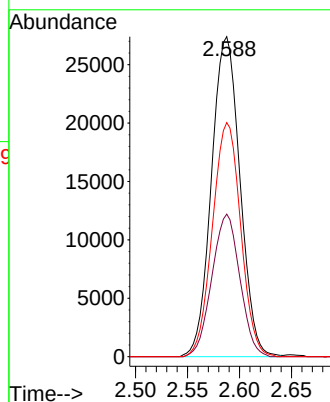
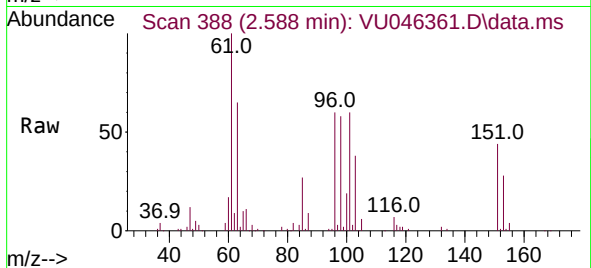




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.199 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046361.D
 Acq: 14 Dec 2021 17:11

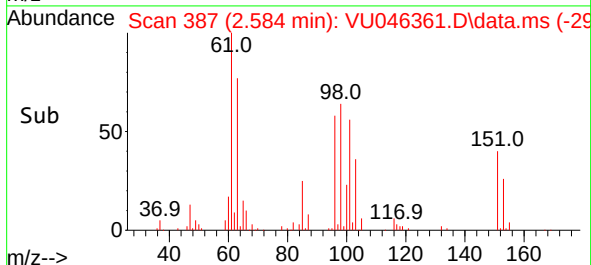
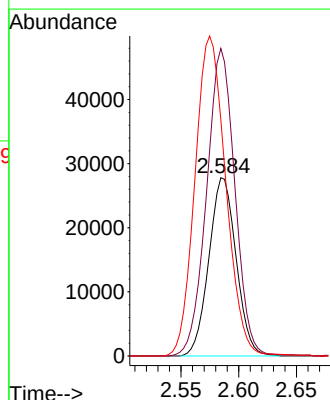
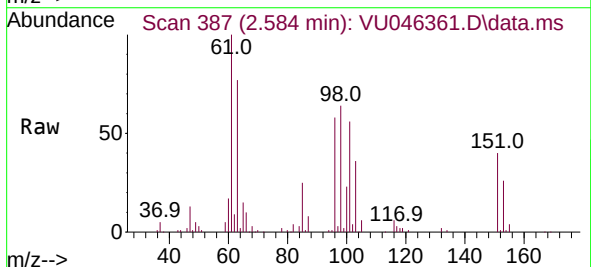
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050142

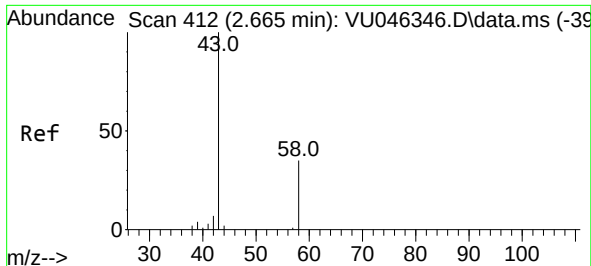
Tgt Ion:101 Resp: 52330
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.1 52.7
 151 72.3 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 44.196 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046361.D
 Acq: 14 Dec 2021 17:11

Tgt Ion: 96 Resp: 45597
 Ion Ratio Lower Upper
 96 100
 61 172.6 118.6 220.2
 63 132.5 93.0 172.8





#13

Acetone

Concen: 62.757 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.010 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

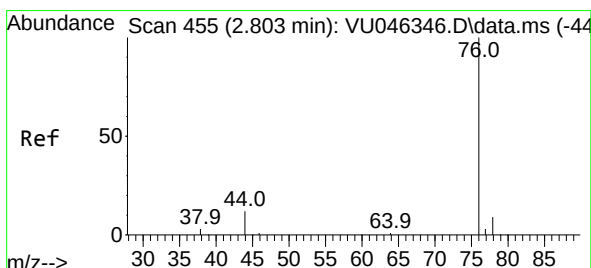
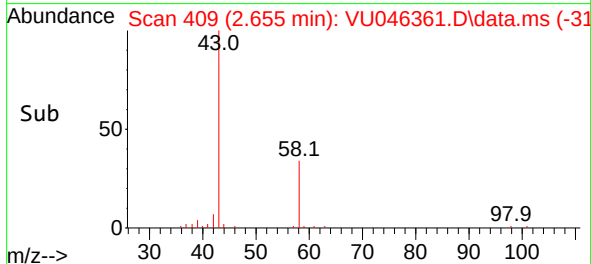
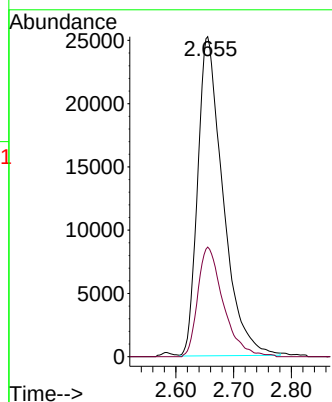
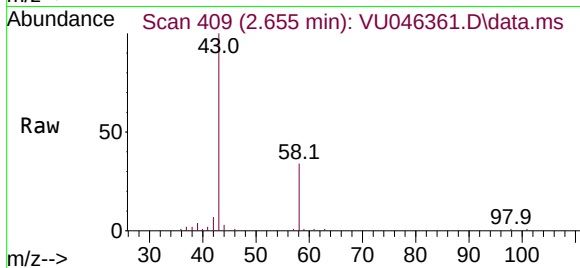
VSTD050142

Tgt Ion: 43 Resp: 76635

Ion Ratio Lower Upper

43 100

58 34.2 0.0 66.8



#14

Carbon disulfide

Concen: 32.385 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.003 min

Lab File: VU046361.D

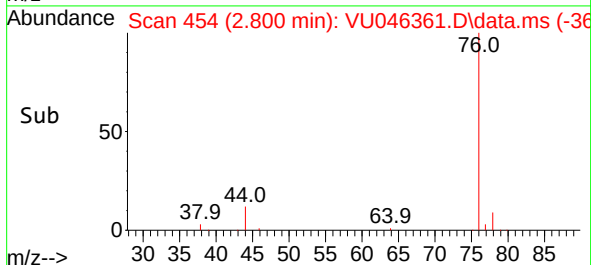
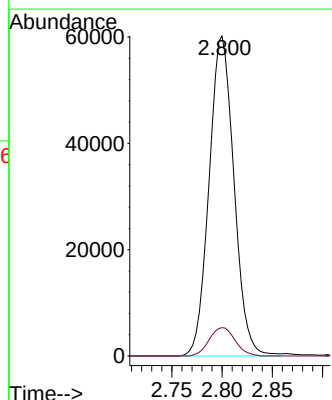
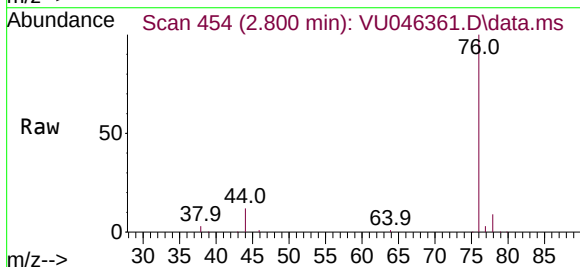
Acq: 14 Dec 2021 17:11

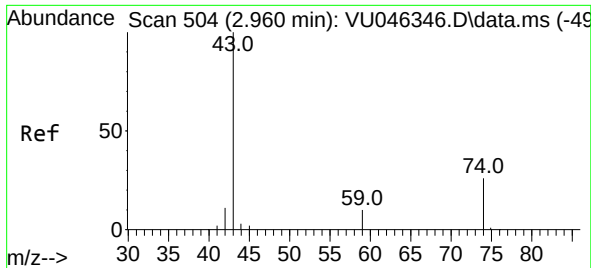
Tgt Ion: 76 Resp: 103660

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

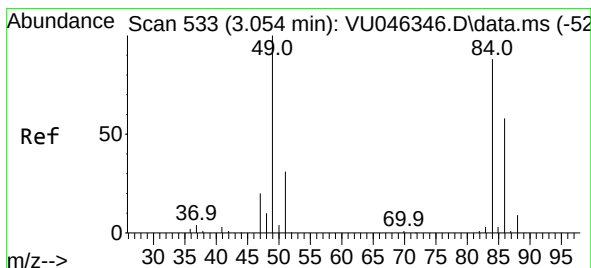
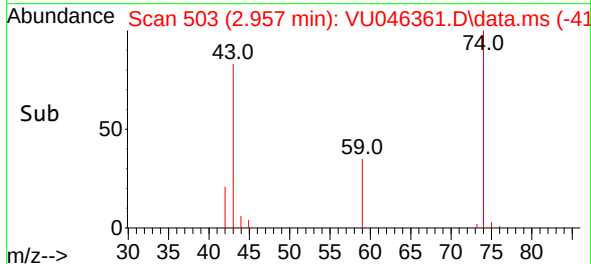
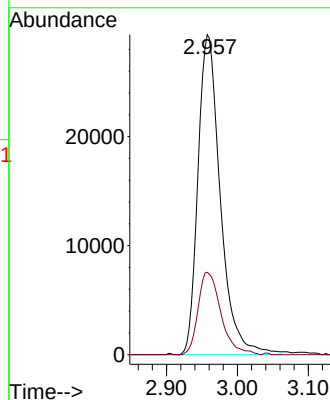
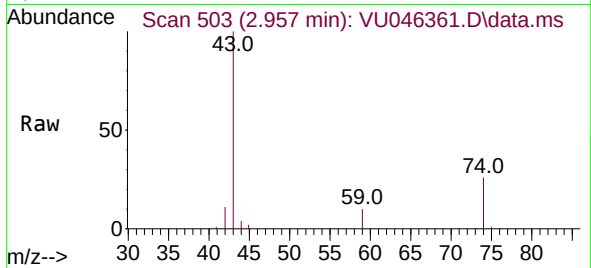




#15
Methyl Acetate
Concen: 45.216 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

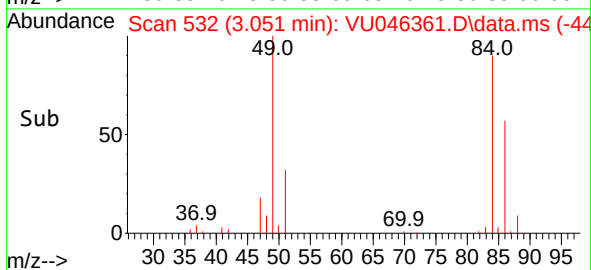
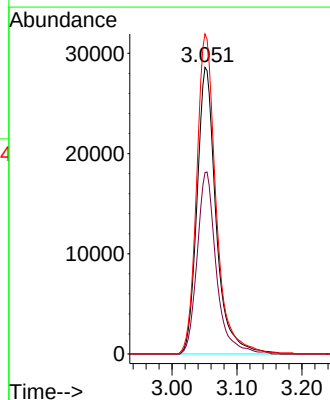
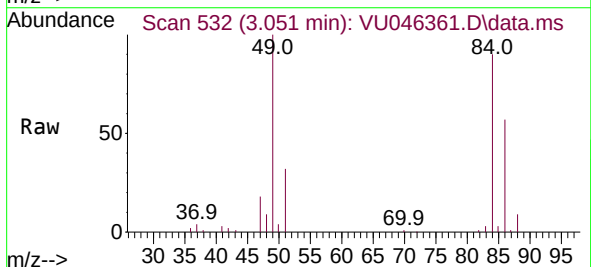
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

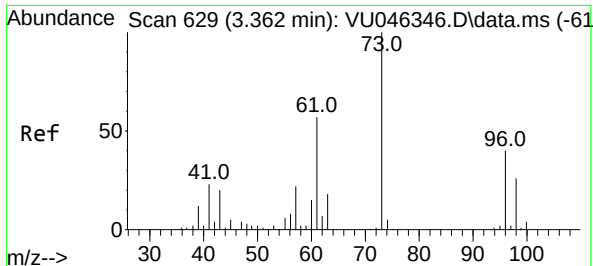
Tgt Ion: 43 Resp: 64366
Ion Ratio Lower Upper
43 100
74 26.2 20.8 31.2



#16
Methylene chloride
Concen: 47.686 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion: 84 Resp: 58533
Ion Ratio Lower Upper
84 100
86 63.3 44.7 83.1
49 111.7 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 44.687 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD050142

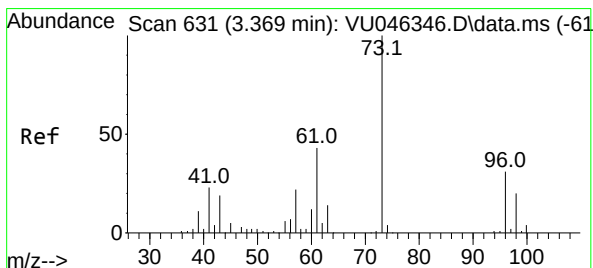
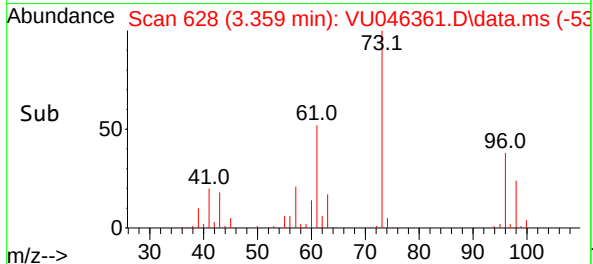
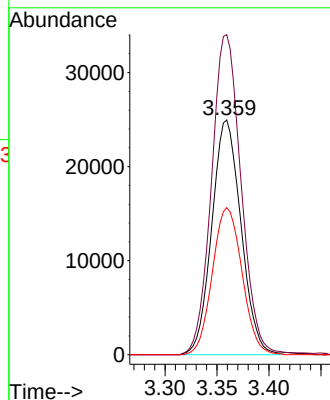
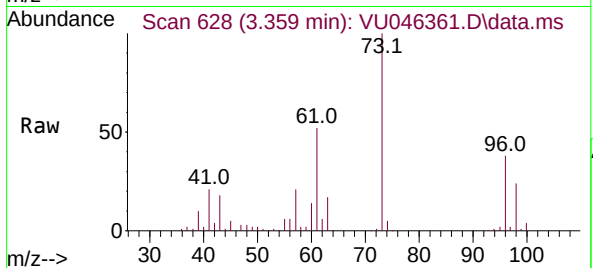
Tgt Ion: 96 Resp: 48789

Ion Ratio Lower Upper

96 100

61 136.3 94.6 175.6

98 62.6 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 51.537 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.000 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

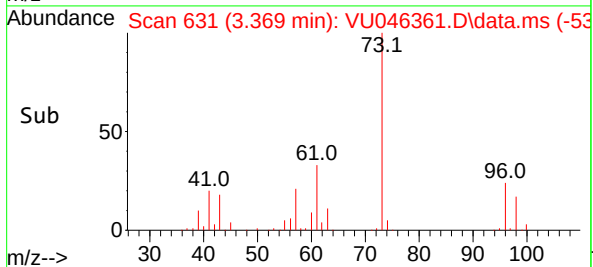
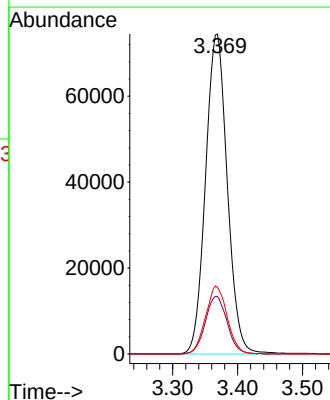
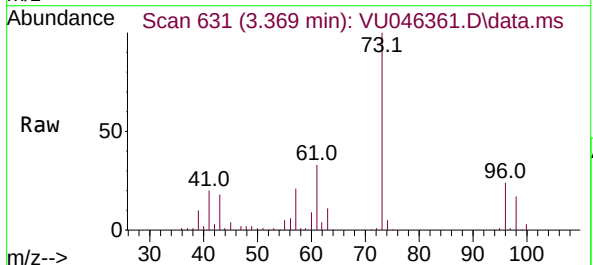
Tgt Ion: 73 Resp: 173409

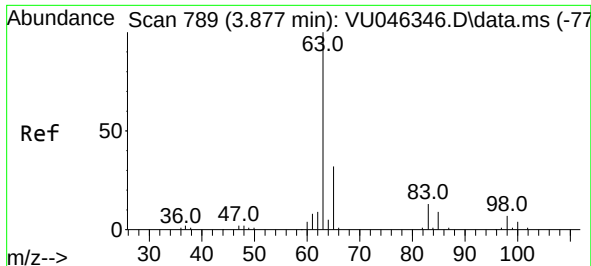
Ion Ratio Lower Upper

73 100

43 18.1 14.0 21.0

57 21.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 51.828 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD050142

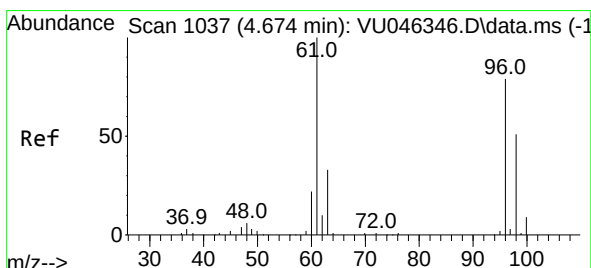
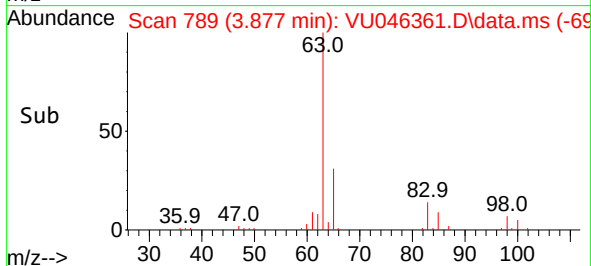
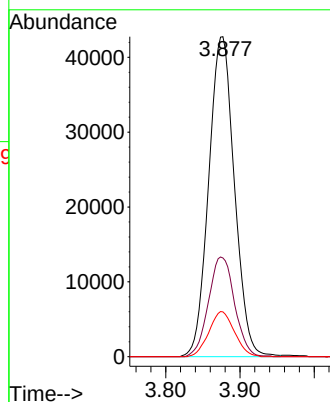
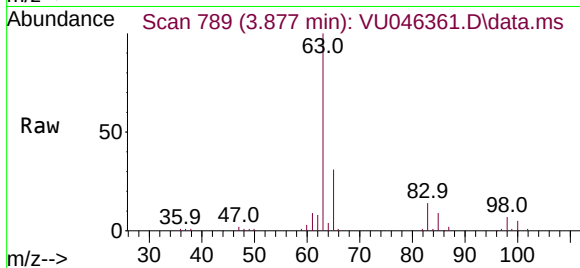
Tgt Ion: 63 Resp: 102886

Ion Ratio Lower Upper

63 100

65 30.9 22.8 42.4

83 14.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 49.373 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

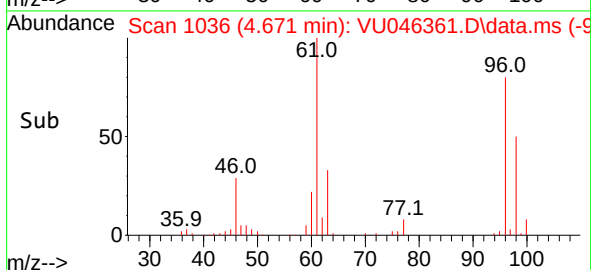
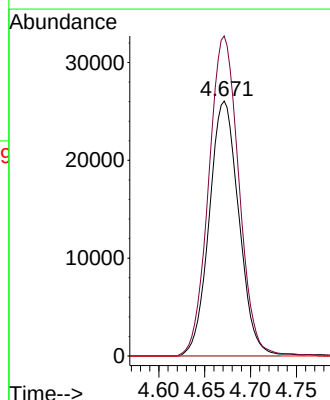
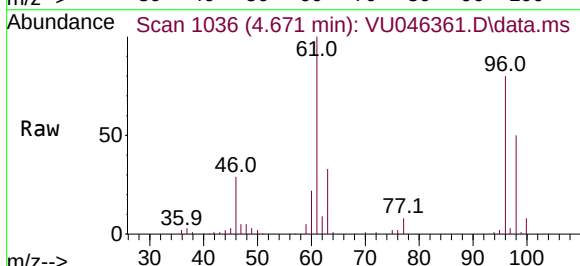
Tgt Ion: 96 Resp: 58491

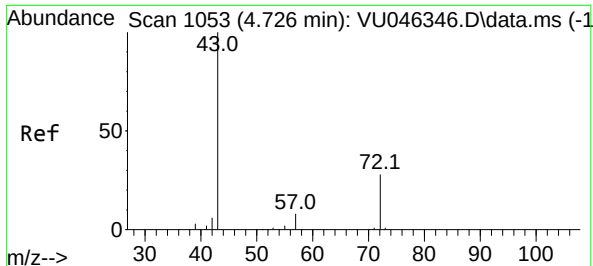
Ion Ratio Lower Upper

96 100

61 125.5 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 79.493 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.010 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

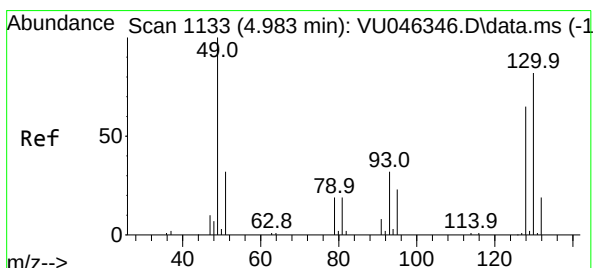
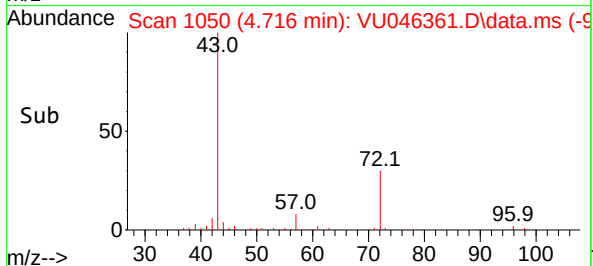
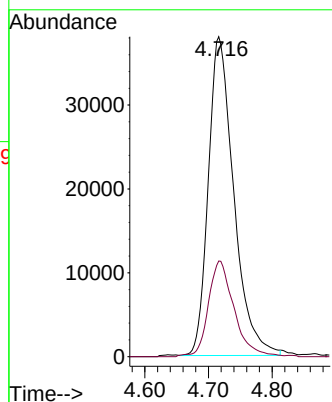
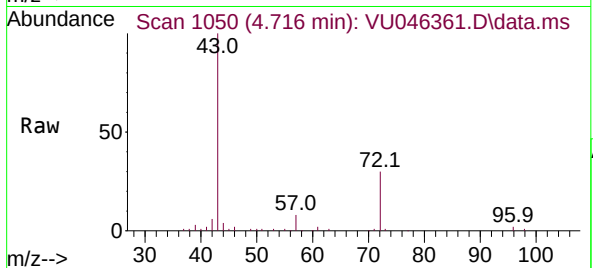
VSTD050142

Tgt Ion: 43 Resp: 105672

Ion Ratio Lower Upper

43 100

72 30.0 14.5 43.6



#23

Bromochloromethane

Concen: 50.790 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Tgt Ion:128 Resp: 30389

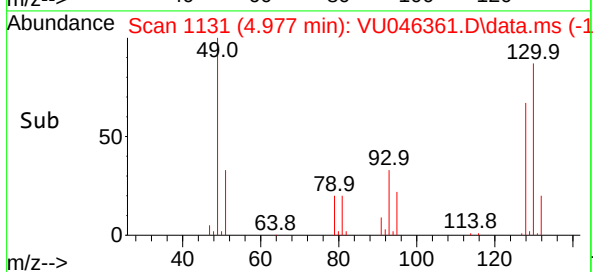
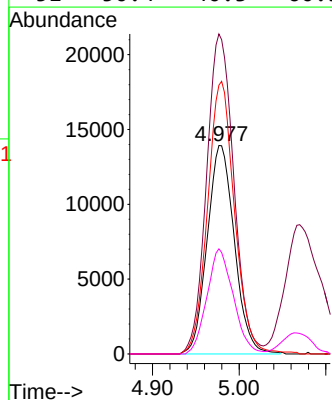
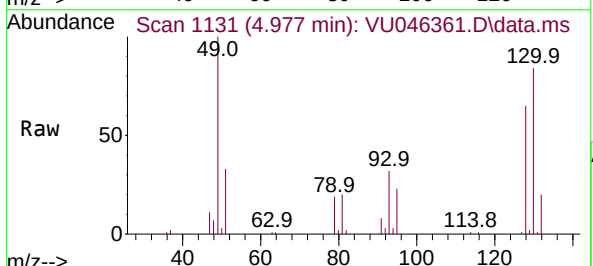
Ion Ratio Lower Upper

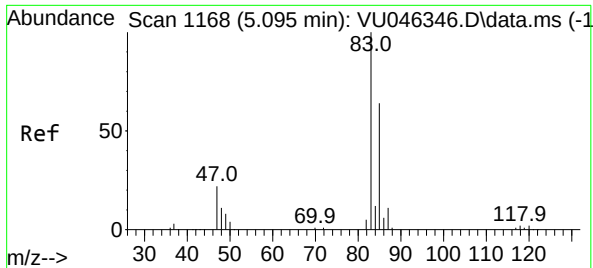
128 100

49 153.4 115.9 215.3

130 128.9 91.8 170.4

51 50.4 40.3 60.5





#25

Chloroform

Concen: 50.137 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

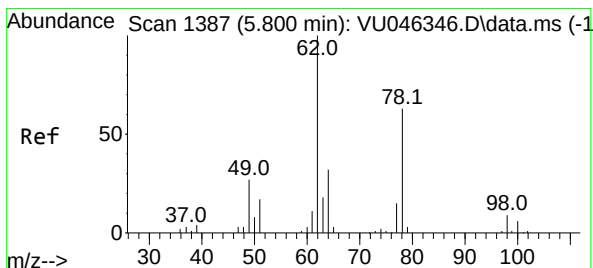
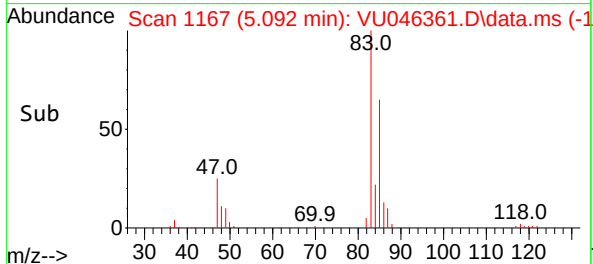
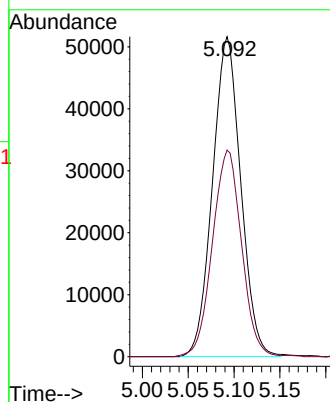
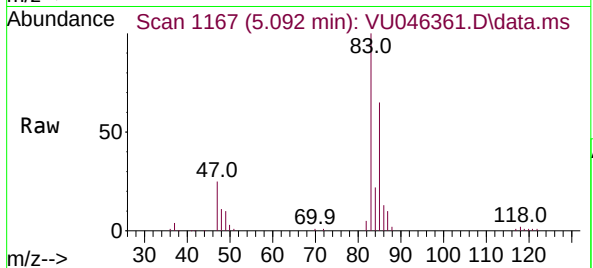
VSTD050142

Tgt Ion: 83 Resp: 110585

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.2



#27

1,2-Dichloroethane

Concen: 53.247 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046361.D

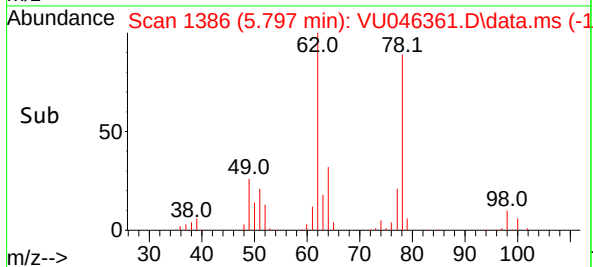
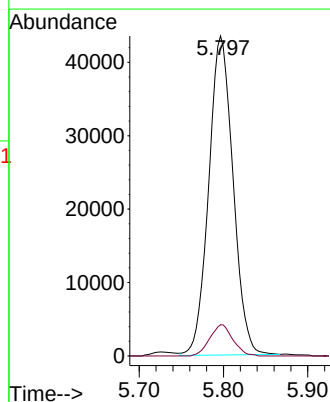
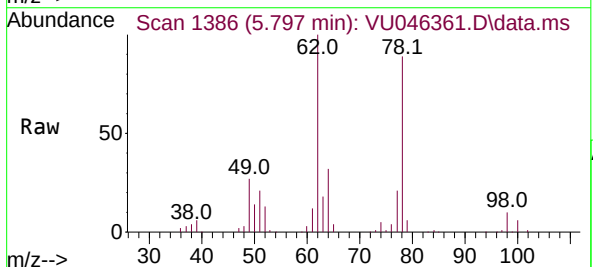
Acq: 14 Dec 2021 17:11

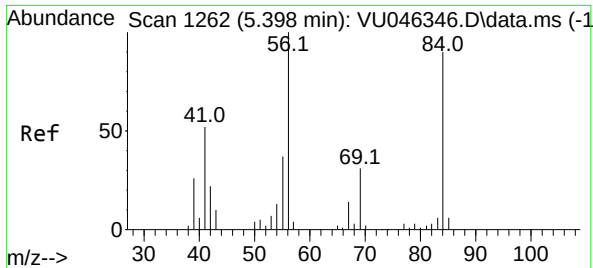
Tgt Ion: 62 Resp: 87150

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9





#29

Cyclohexane

Concen: 41.041 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD050142

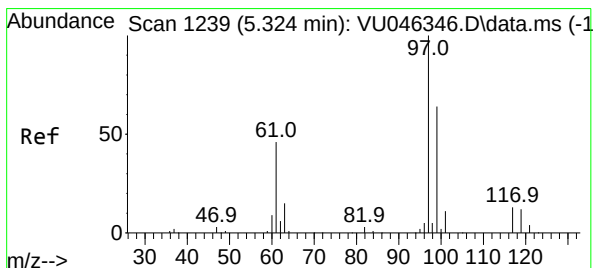
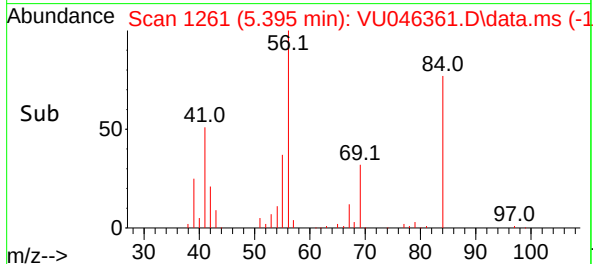
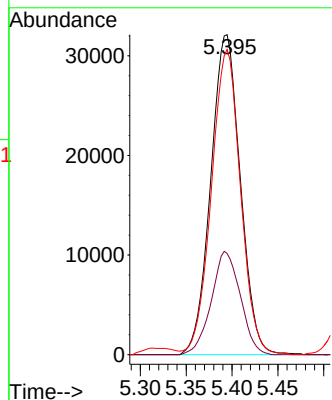
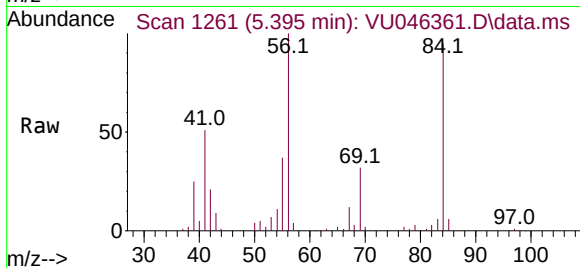
Tgt Ion: 56 Resp: 72032

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 93.9 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 51.203 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

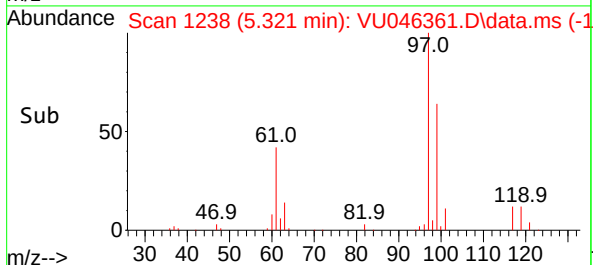
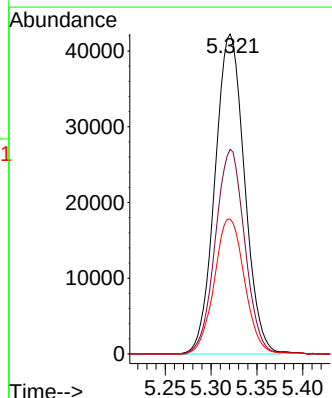
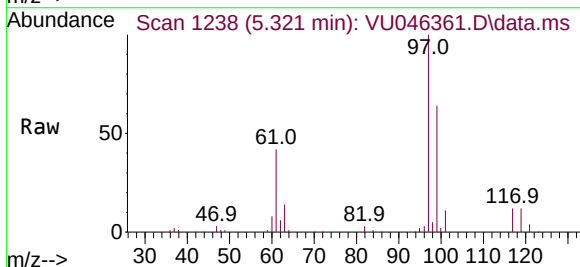
Tgt Ion: 97 Resp: 94735

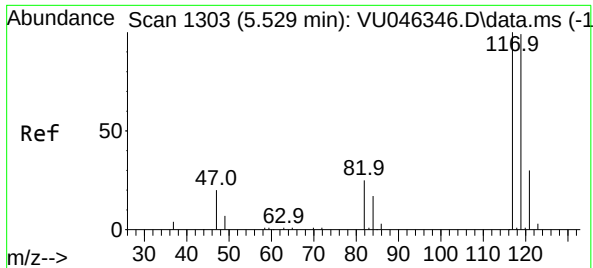
Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

61 43.0 34.4 51.6

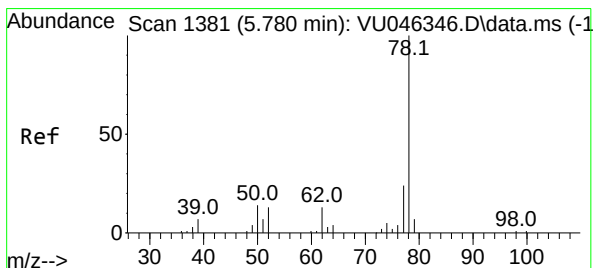
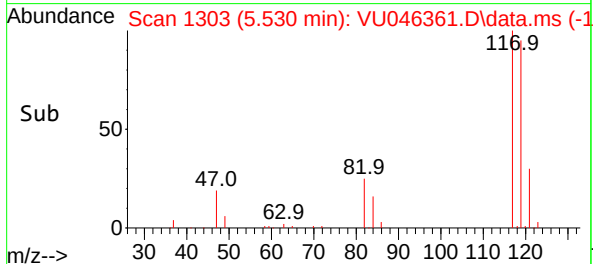
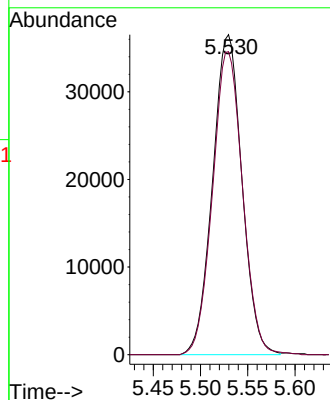
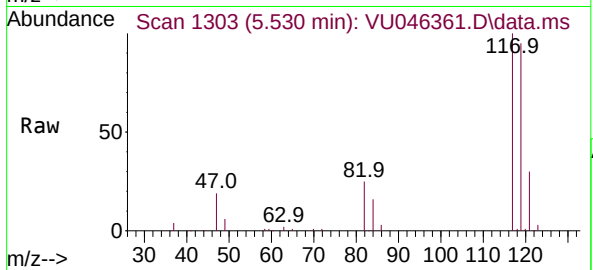




#31
Carbon tetrachloride
Concen: 50.237 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

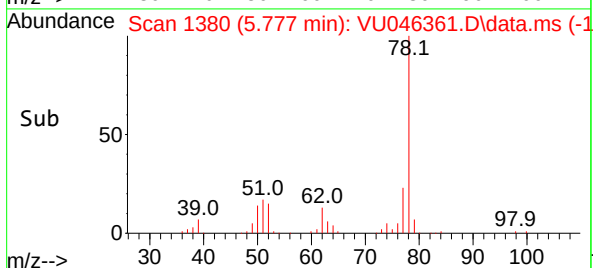
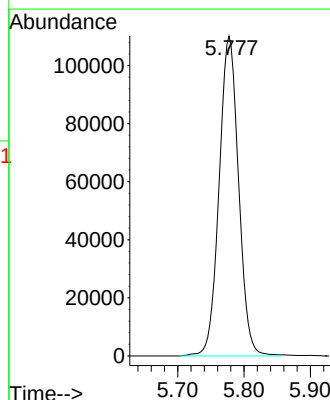
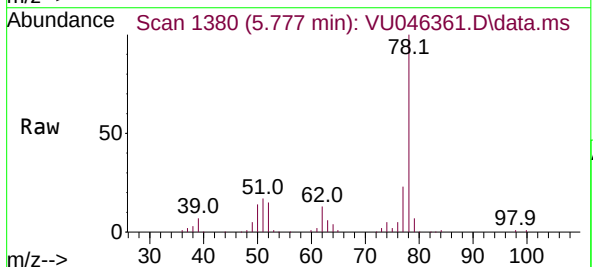
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

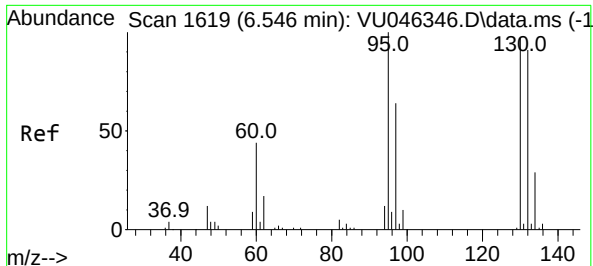
Tgt Ion:117 Resp: 78909
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5



#33
Benzene
Concen: 49.186 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion: 78 Resp: 224384

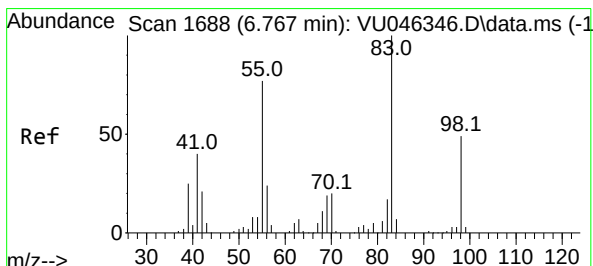
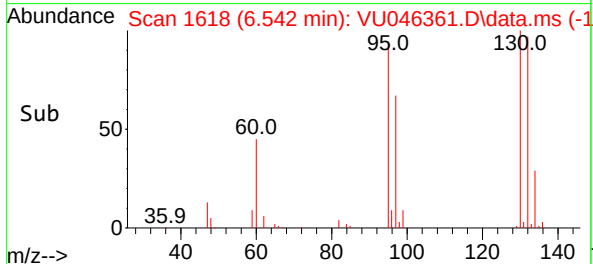
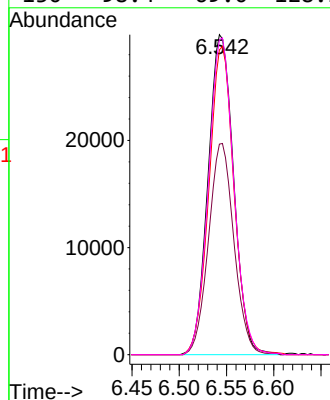
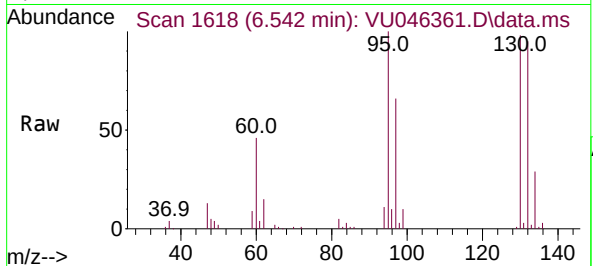




#34
Trichloroethene
Concen: 46.815 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

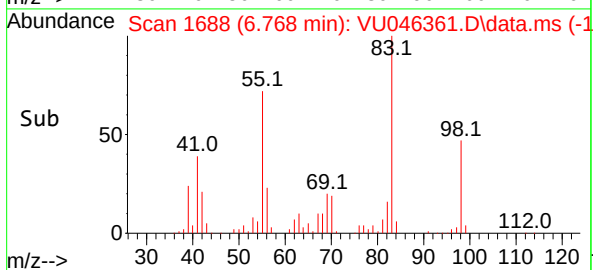
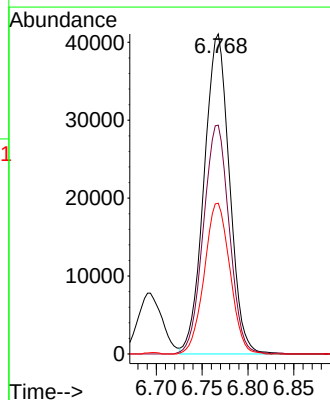
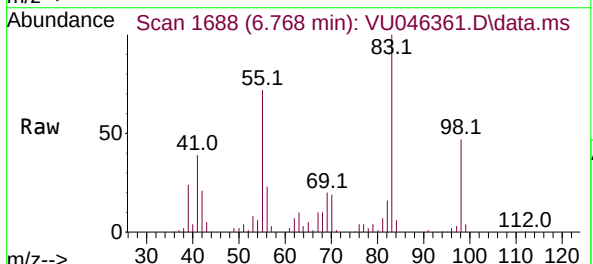
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

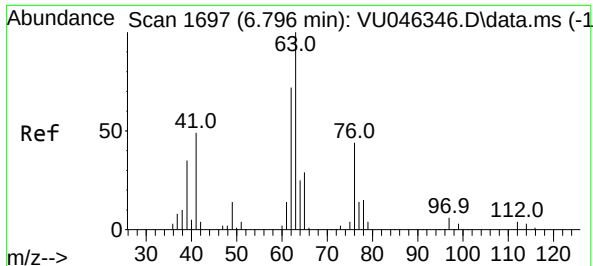
Tgt Ion: 95 Resp: 56262
Ion Ratio Lower Upper
95 100
97 65.8 44.1 81.9
132 95.2 66.8 124.0
130 98.4 69.0 128.1



#35
Methylcyclohexane
Concen: 42.519 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion: 83 Resp: 79233
Ion Ratio Lower Upper
83 100
55 72.7 57.8 86.6
98 47.4 38.4 57.6





#37

1,2-Dichloropropane

Concen: 51.625 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

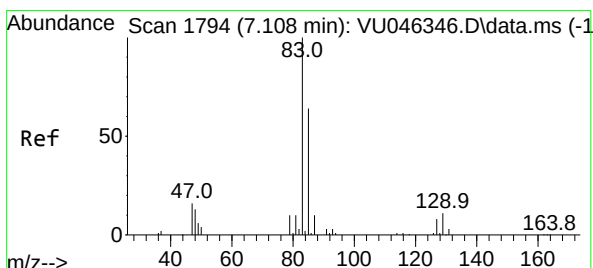
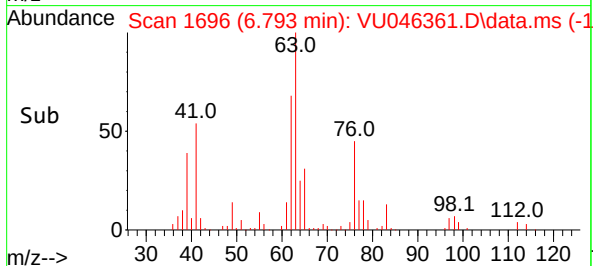
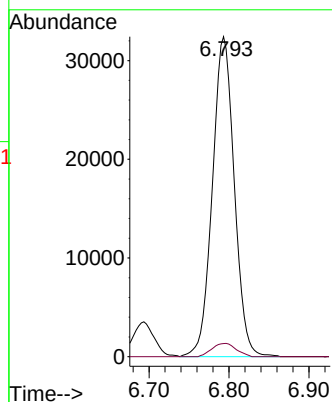
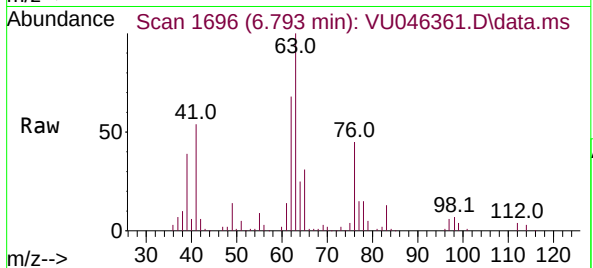
VSTD050142

Tgt Ion: 63 Resp: 61694

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 52.936 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

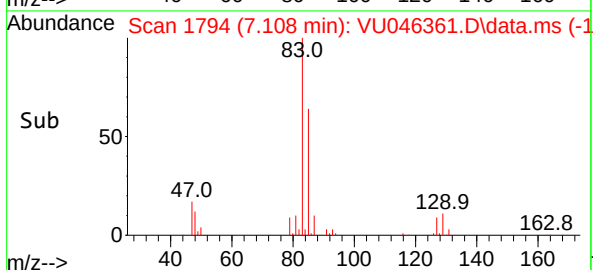
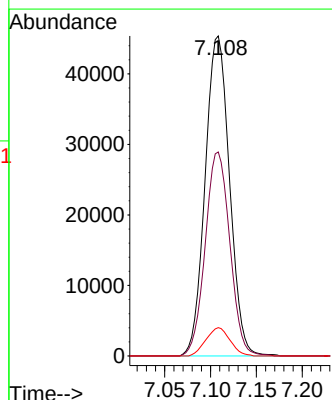
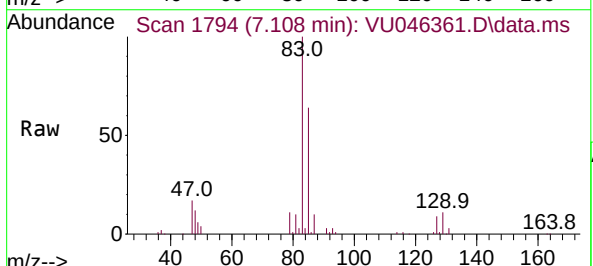
Tgt Ion: 83 Resp: 84083

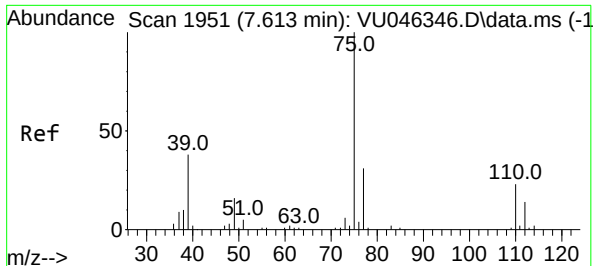
Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5

127 8.8 6.9 10.3

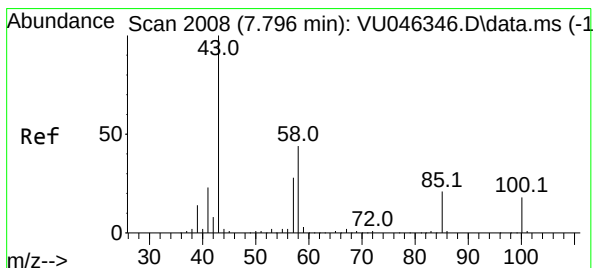
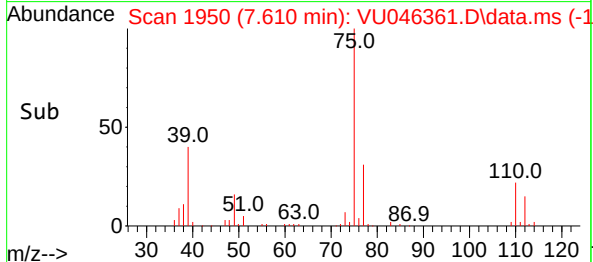
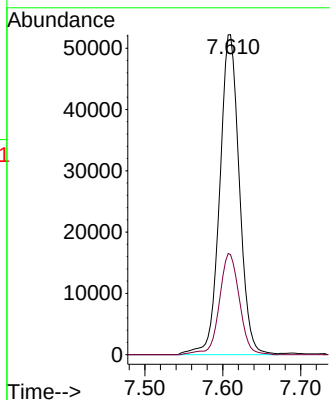
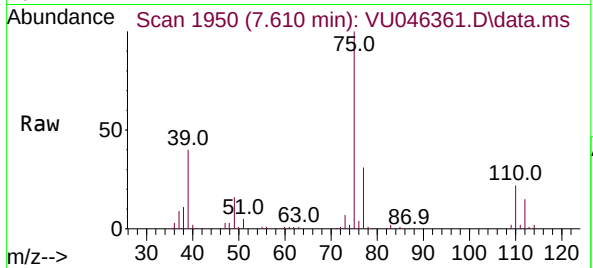




#39
 cis-1,3-Dichloropropene
 Concen: 50.336 ug/L
 RT: 7.610 min Scan# 1950
 Delta R.T. -0.003 min
 Lab File: VU046361.D
 Acq: 14 Dec 2021 17:11

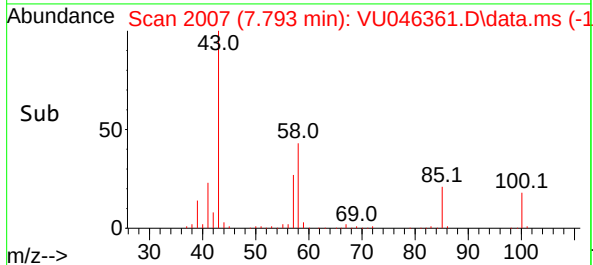
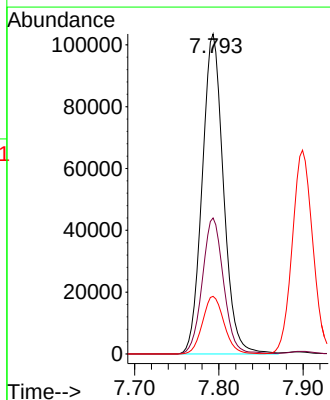
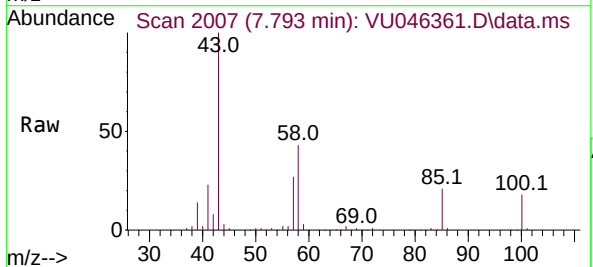
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050142

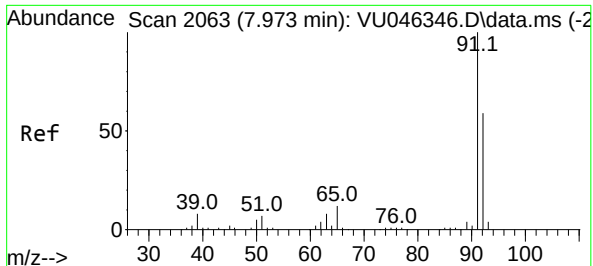
Tgt Ion: 75 Resp: 91510
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 103.674 ug/L
 RT: 7.793 min Scan# 2007
 Delta R.T. -0.003 min
 Lab File: VU046361.D
 Acq: 14 Dec 2021 17:11

Tgt Ion: 43 Resp: 182030
 Ion Ratio Lower Upper
 43 100
 58 42.6 34.2 51.4
 100 18.2 14.5 21.7





#42

Toluene

Concen: 49.147 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

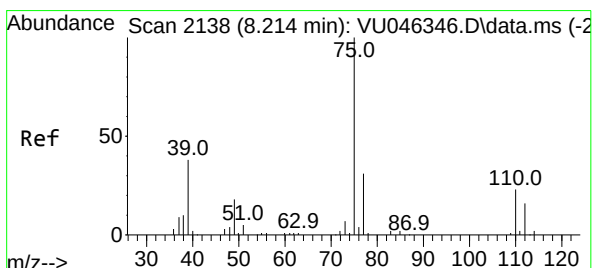
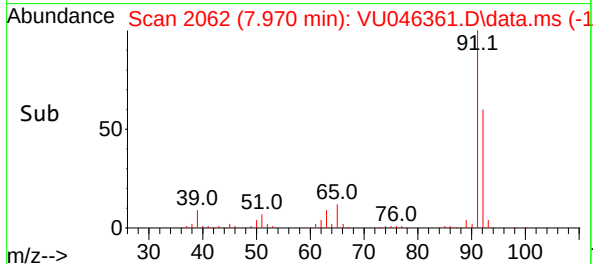
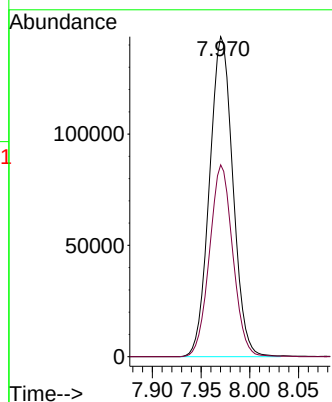
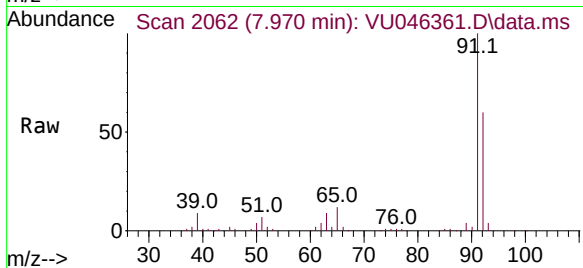
VSTD050142

Tgt Ion: 91 Resp: 240576

Ion Ratio Lower Upper

91 100

92 60.0 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 50.744 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046361.D

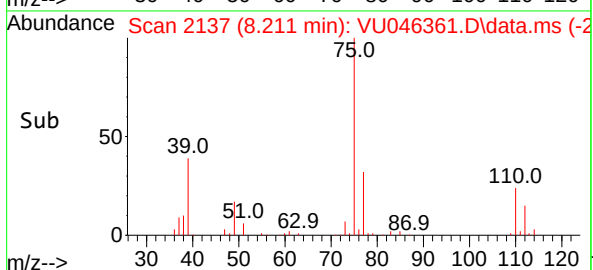
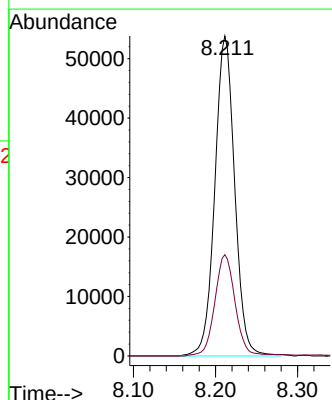
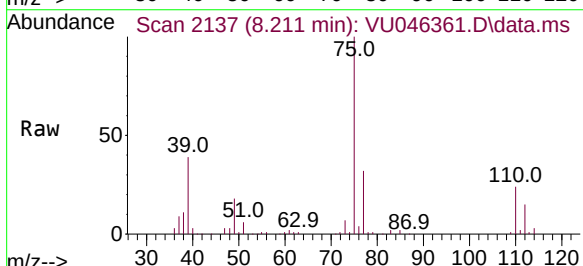
Acq: 14 Dec 2021 17:11

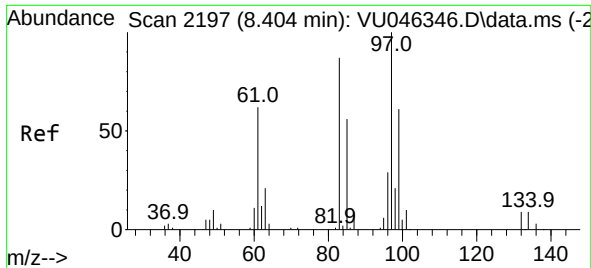
Tgt Ion: 75 Resp: 90606

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3



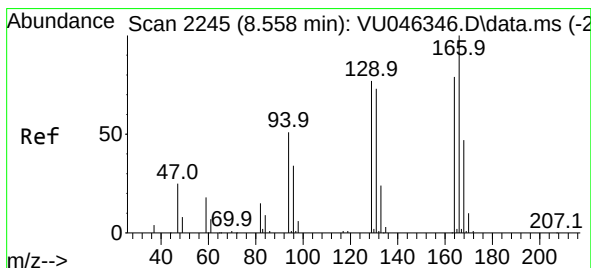
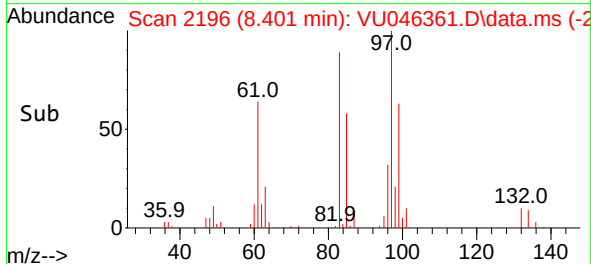
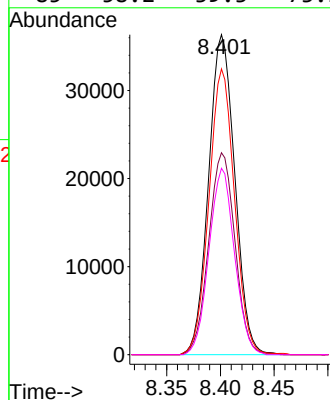
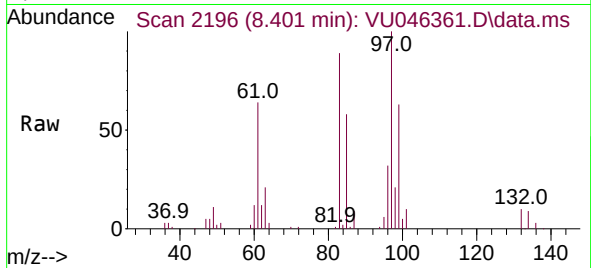


#45
1,1,2-Trichloroethane
Concen: 51.442 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

Tgt Ion: 97 Resp: 61675

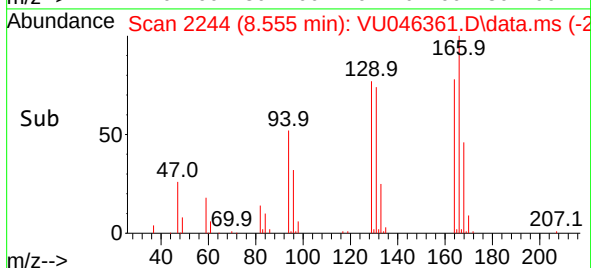
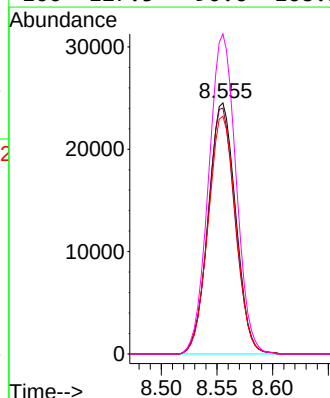
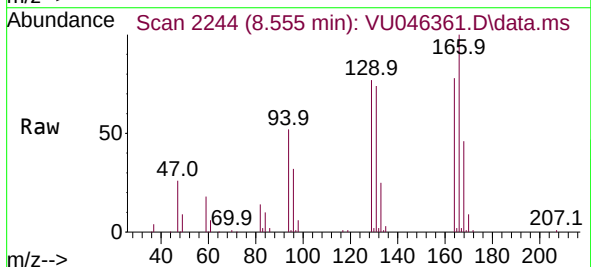
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.7	82.9
83	89.3	60.2	111.8
85	58.2	39.3	73.1

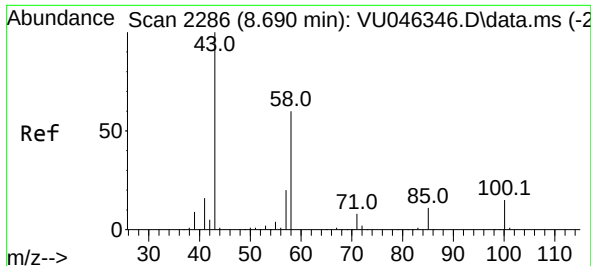


#46
Tetrachloroethene
Concen: 47.421 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion: 164 Resp: 41881

Ion	Ratio	Lower	Upper
164	100		
129	97.9	71.1	132.1
131	94.7	67.8	126.0
166	127.5	90.6	168.2



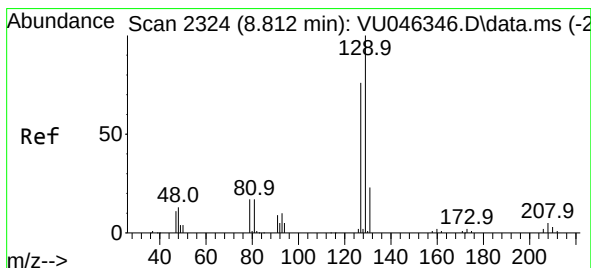
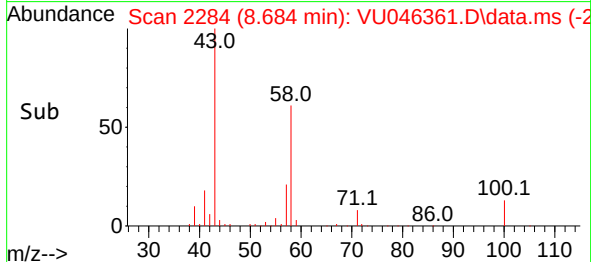
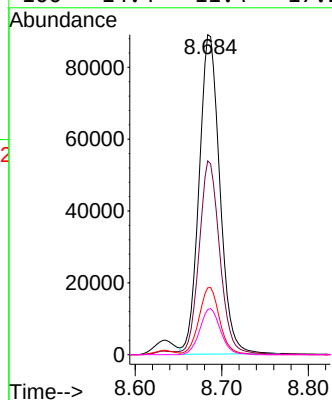
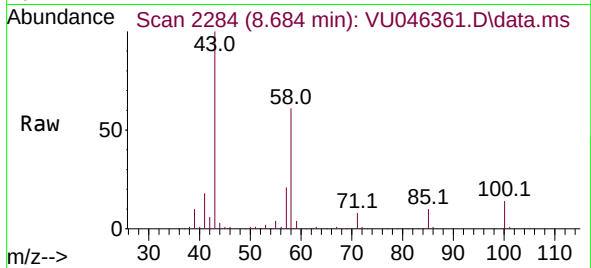


#48
2-Hexanone
Concen: 94.102 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

Tgt Ion: 43 Resp: 147763

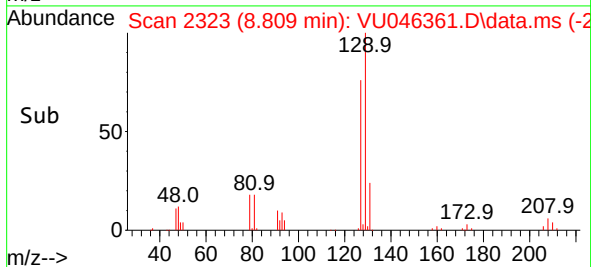
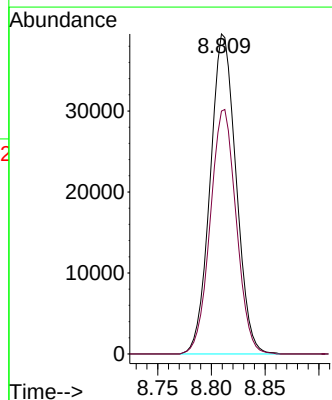
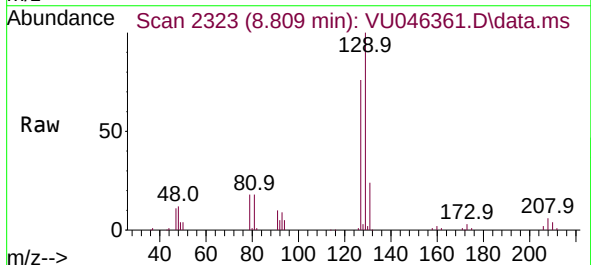
Ion	Ratio	Lower	Upper
43	100		
58	60.2	47.4	71.2
57	20.8	16.6	25.0
100	14.4	11.4	17.2

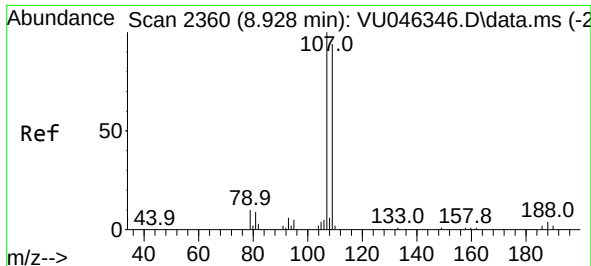


#49
Dibromochloromethane
Concen: 52.608 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion: 129 Resp: 66234

Ion	Ratio	Lower	Upper
129	100		
127	75.9	55.6	103.4





#50

1,2-Dibromoethane

Concen: 48.294 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD050142

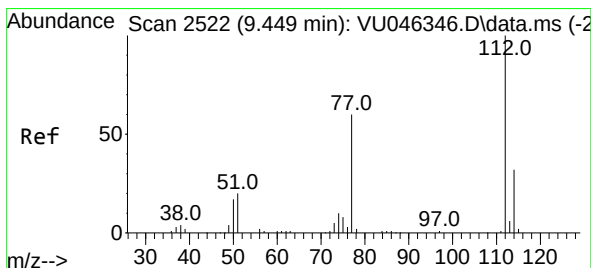
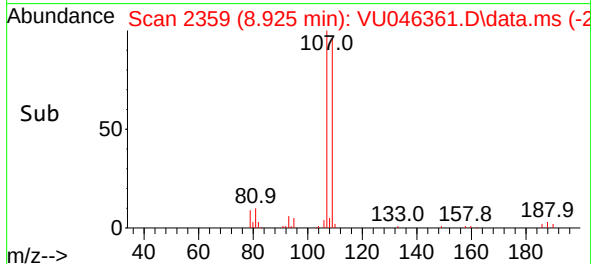
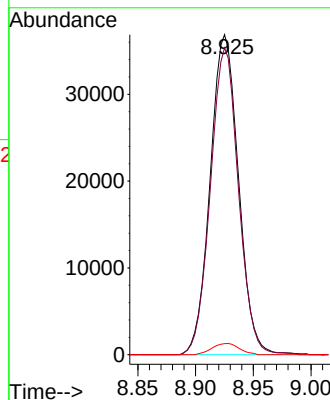
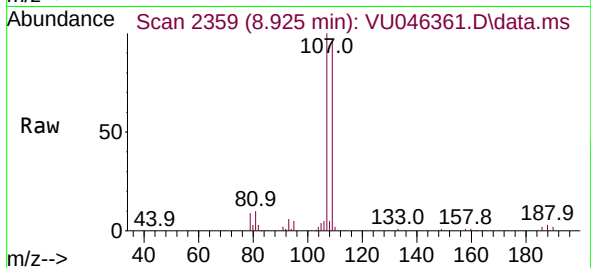
Tgt Ion:107 Resp: 62774

Ion Ratio Lower Upper

107 100

109 95.9 64.9 120.5

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 49.014 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

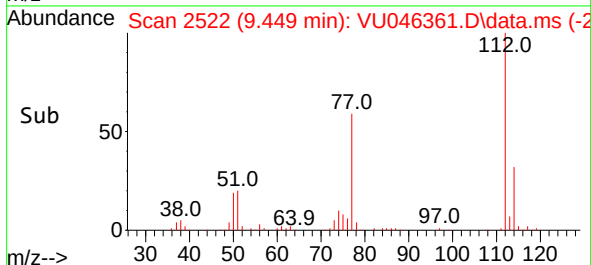
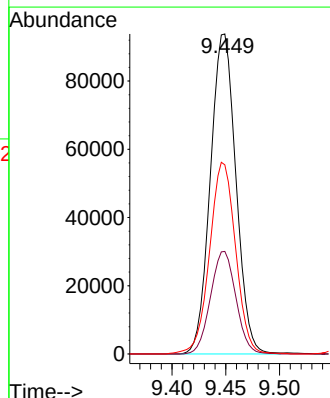
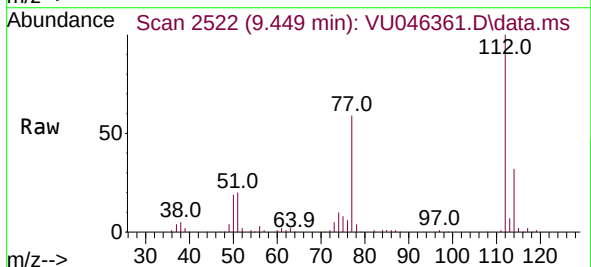
Tgt Ion:112 Resp: 155222

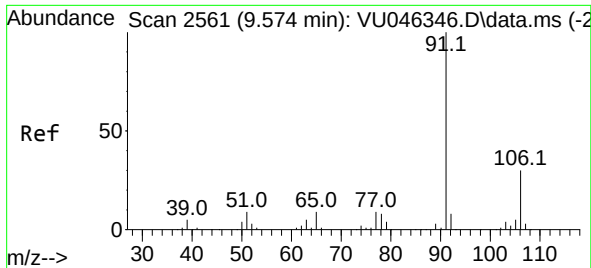
Ion Ratio Lower Upper

112 100

114 32.1 22.2 41.2

77 59.1 47.4 71.0

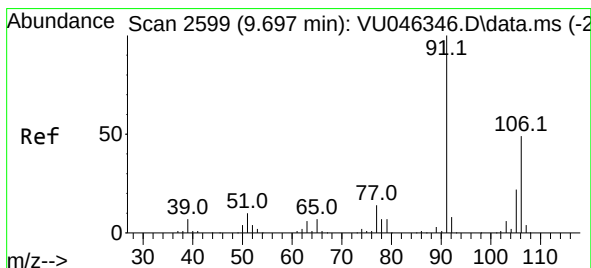
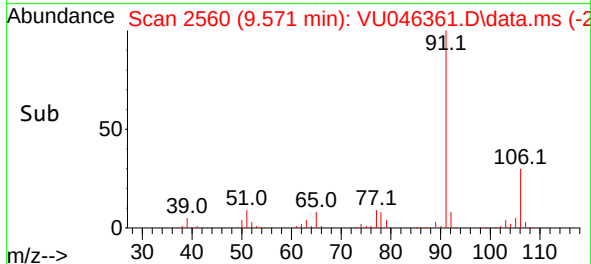
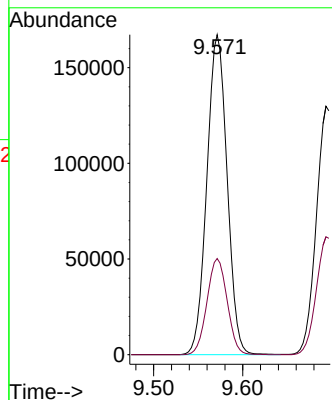
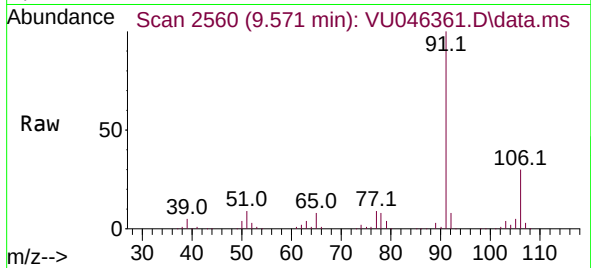




#52
Ethylbenzene
Concen: 50.033 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

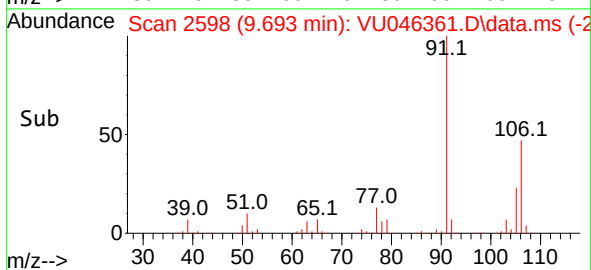
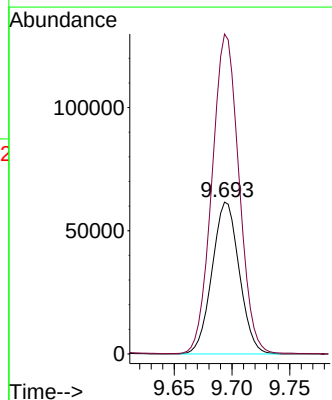
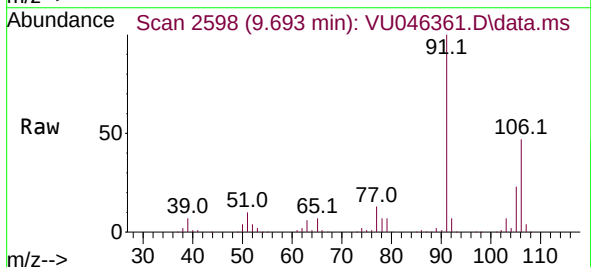
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

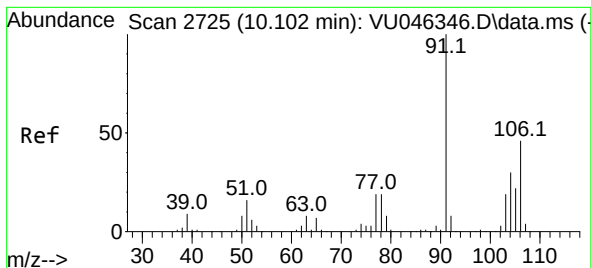
Tgt Ion: 91 Resp: 263581
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.3



#53
m,p-Xylene
Concen: 49.114 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion:106 Resp: 100905
Ion Ratio Lower Upper
106 100
91 210.6 144.3 268.1





#54

o-xylene

Concen: 50.042 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

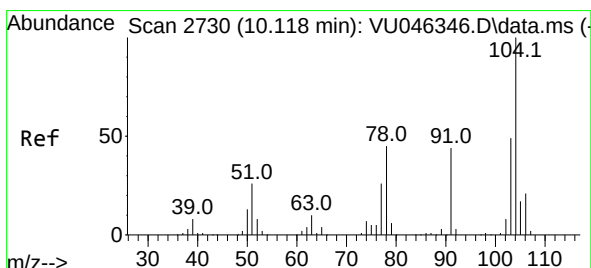
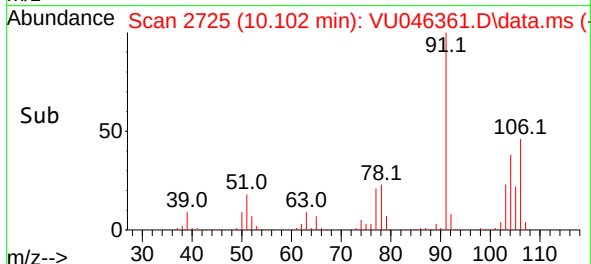
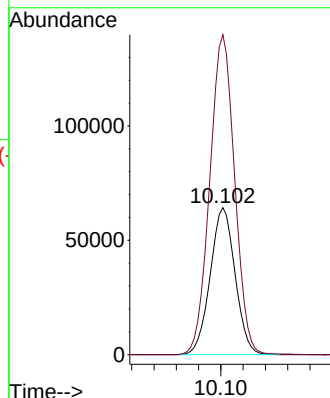
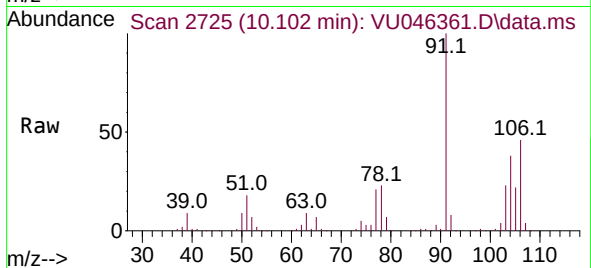
VSTD050142

Tgt Ion:106 Resp: 99761

Ion Ratio Lower Upper

106 100

91 217.6 154.2 286.4



#55

Styrene

Concen: 52.917 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046361.D

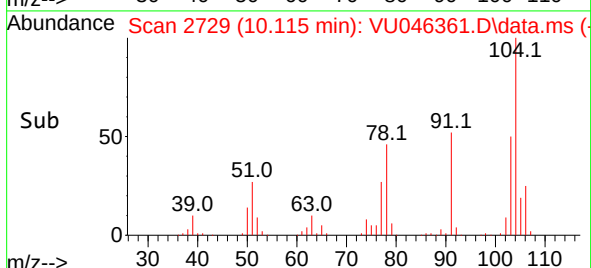
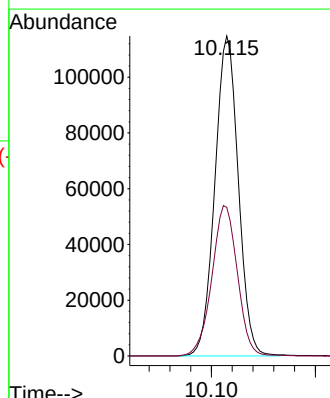
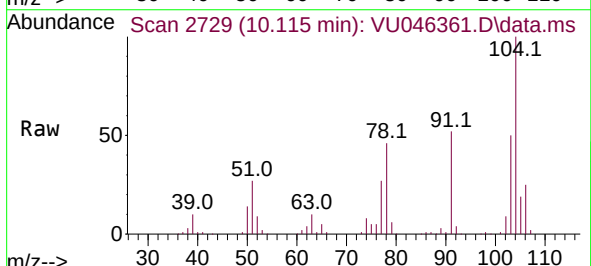
Acq: 14 Dec 2021 17:11

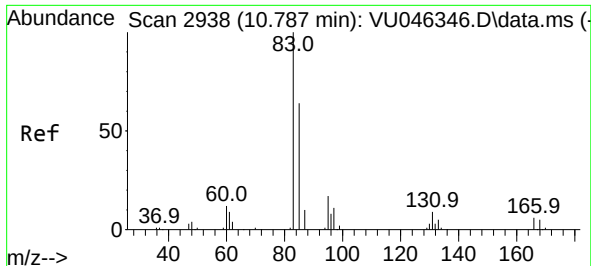
Tgt Ion:104 Resp: 180108

Ion Ratio Lower Upper

104 100

78 46.5 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 53.738 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD050142

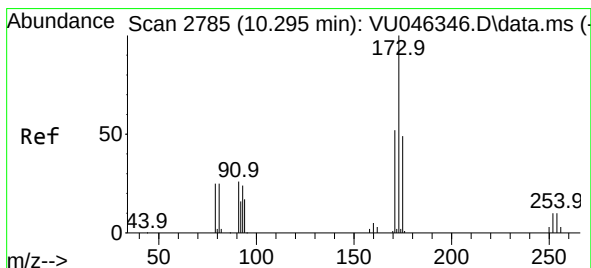
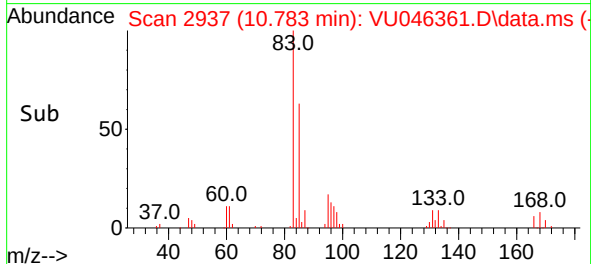
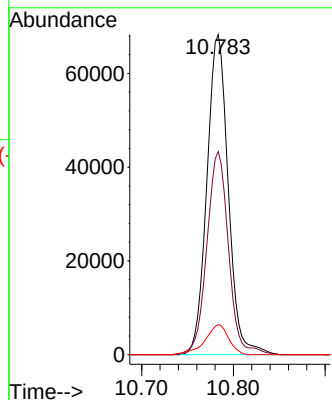
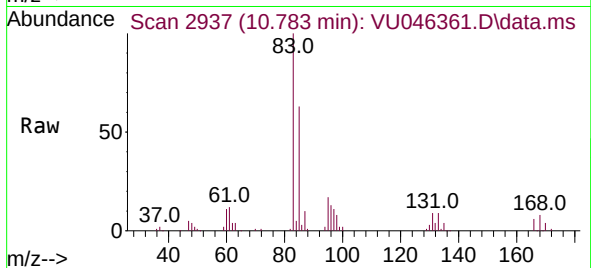
Tgt Ion: 83 Resp: 110457

Ion Ratio Lower Upper

83 100

85 63.4 45.6 84.6

131 9.4 7.8 11.6



#59

Bromoform

Concen: 49.426 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

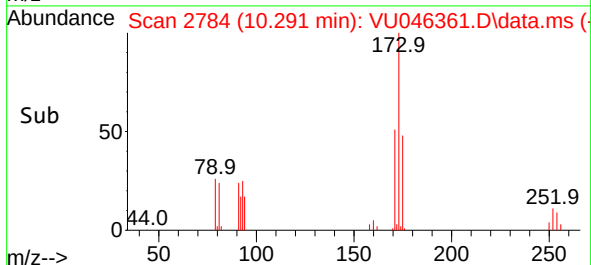
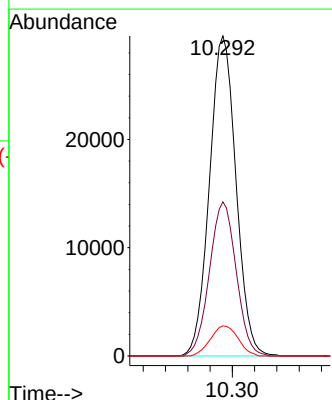
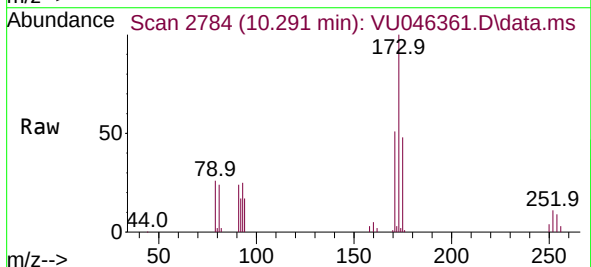
Tgt Ion:173 Resp: 48840

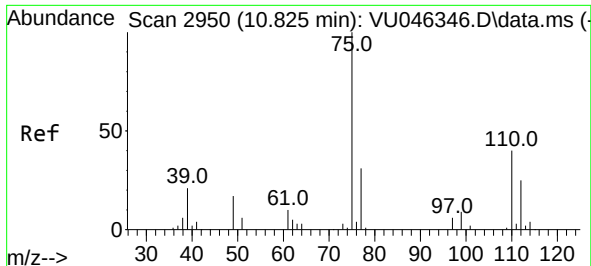
Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

254 9.8 7.4 11.2

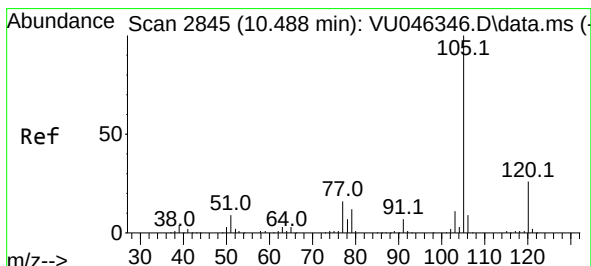
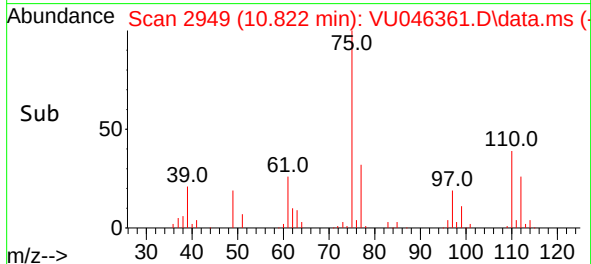
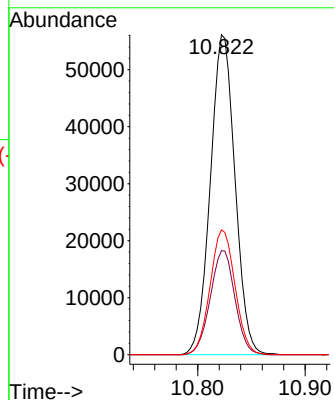
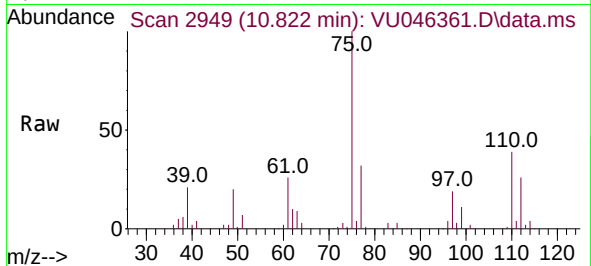




#60
1,2,3-Trichloropropane
Concen: 48.415 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

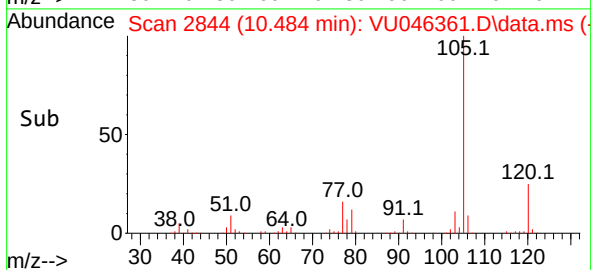
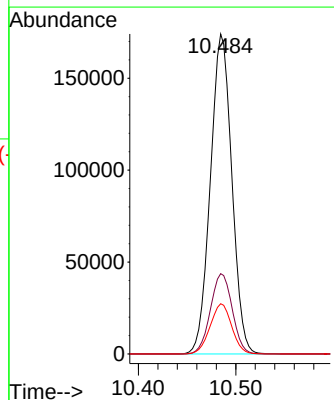
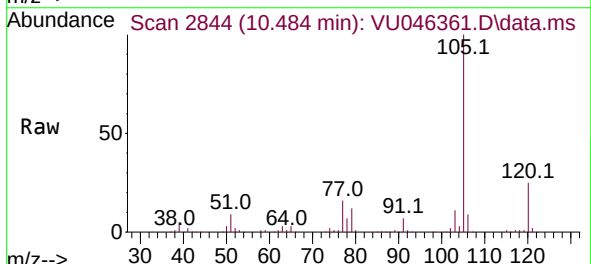
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

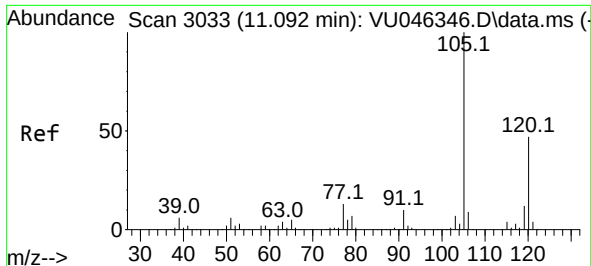
Tgt Ion:	75	Resp:	89396
Ion Ratio	Lower	Upper	
75	100		
77	32.6	26.4	39.6
110	39.5	32.4	48.6



#61
Isopropylbenzene
Concen: 48.524 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion:	105	Resp:	265936
Ion Ratio	Lower	Upper	
105	100		
120	25.5	20.7	31.1
77	15.8	12.2	18.4





#62

1,3,5-Trimethylbenzene

Concen: 50.583 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

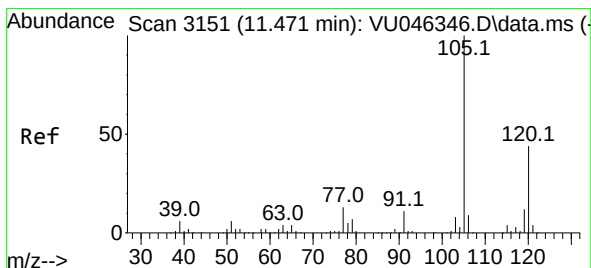
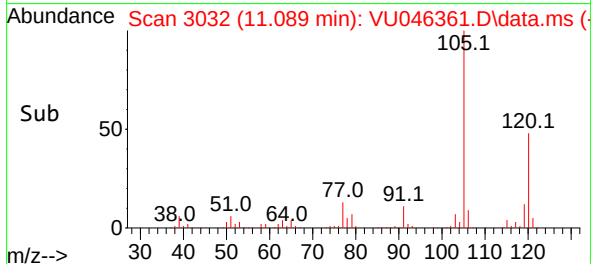
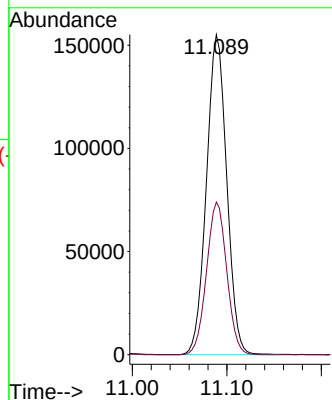
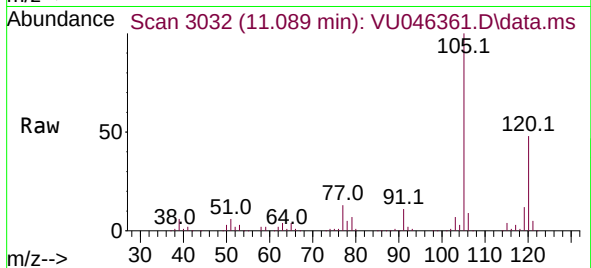
VSTD050142

Tgt Ion:105 Resp: 231066

Ion Ratio Lower Upper

105 100

120 47.6 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 51.692 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046361.D

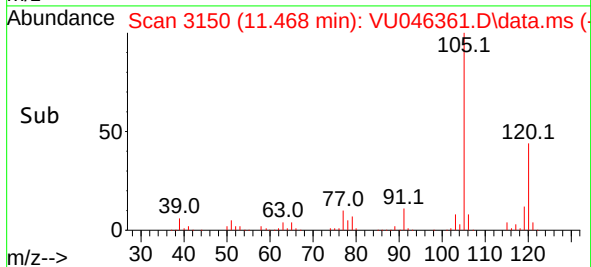
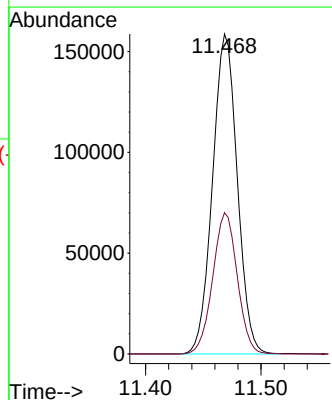
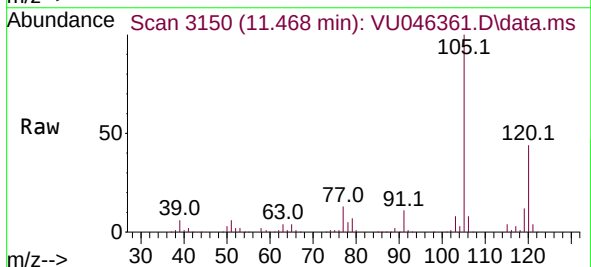
Acq: 14 Dec 2021 17:11

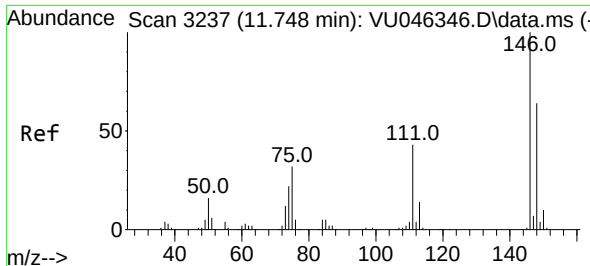
Tgt Ion:105 Resp: 236250

Ion Ratio Lower Upper

105 100

120 43.8 35.2 52.8

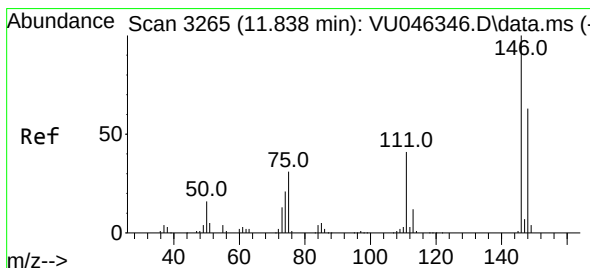
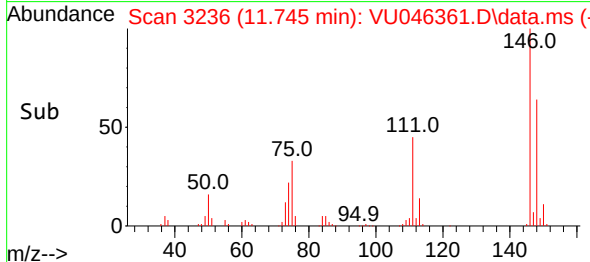
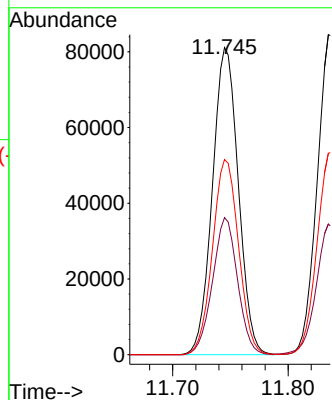
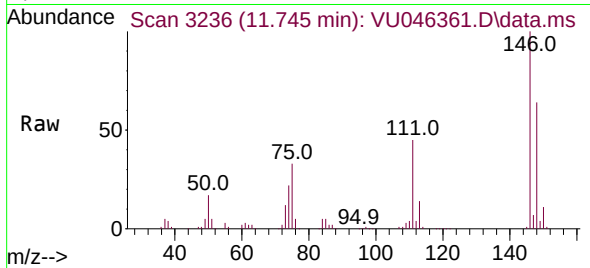




#64
1,3-Dichlorobenzene
Concen: 48.568 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

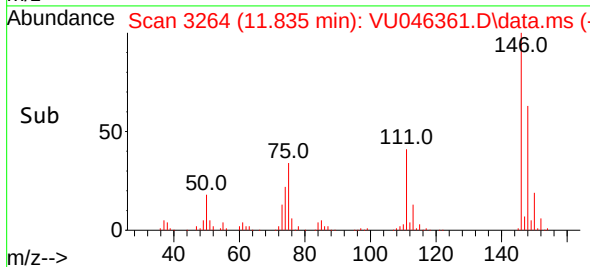
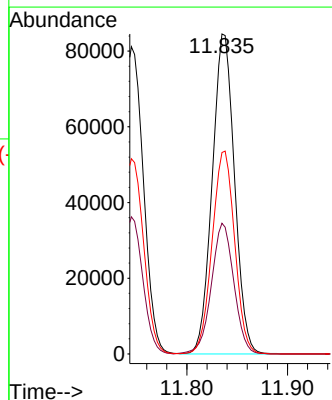
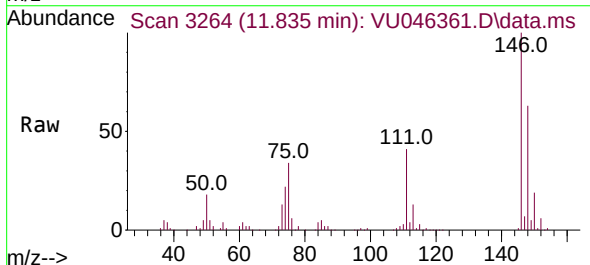
Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

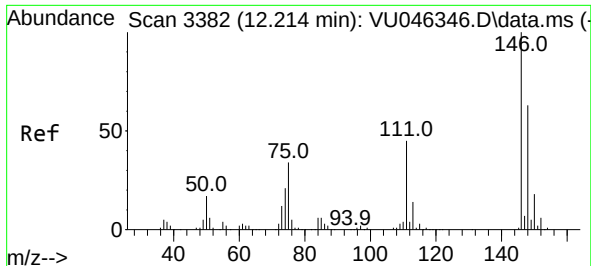
Tgt Ion:146 Resp: 126437
Ion Ratio Lower Upper
146 100
111 44.7 29.5 54.9
148 63.6 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 48.410 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion:146 Resp: 130248
Ion Ratio Lower Upper
146 100
111 40.8 28.3 52.7
148 63.0 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 48.929 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD050142

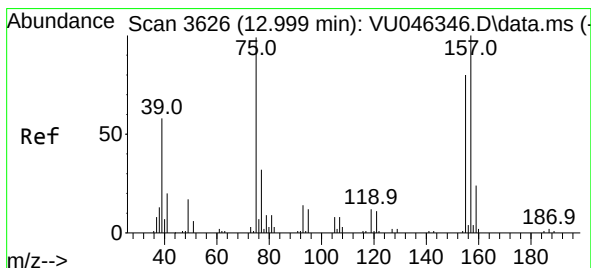
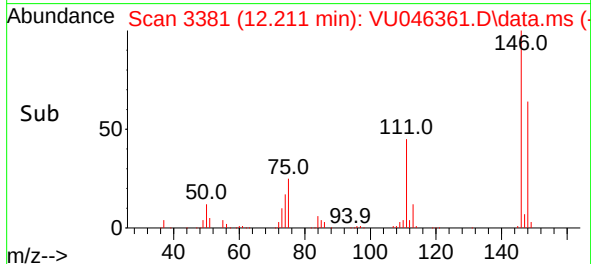
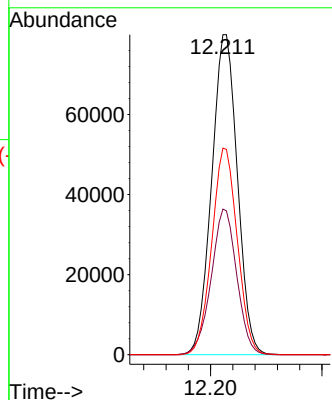
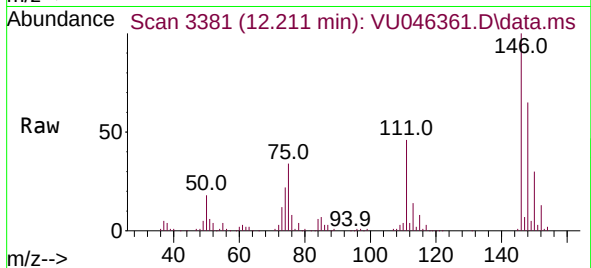
Tgt Ion:146 Resp: 128274

Ion Ratio Lower Upper

146 100

111 45.5 35.7 53.5

148 64.6 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 55.298 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046361.D

Acq: 14 Dec 2021 17:11

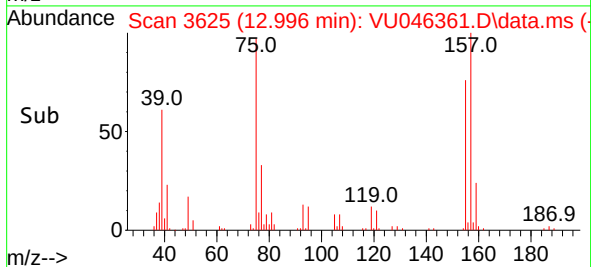
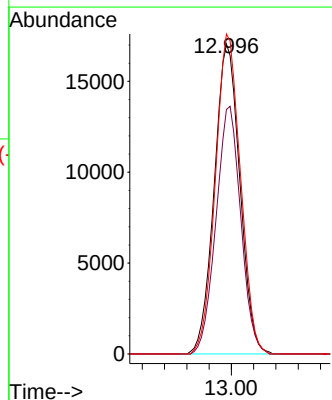
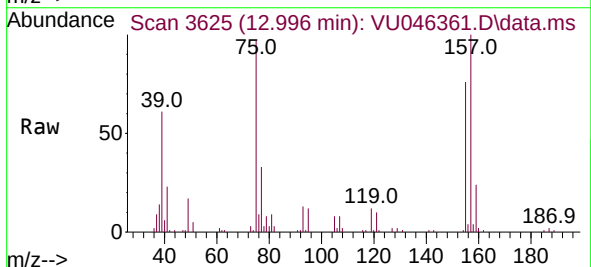
Tgt Ion: 75 Resp: 27201

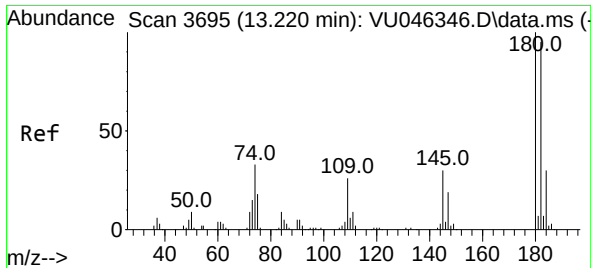
Ion Ratio Lower Upper

75 100

155 78.9 64.9 97.3

157 103.2 81.9 122.9

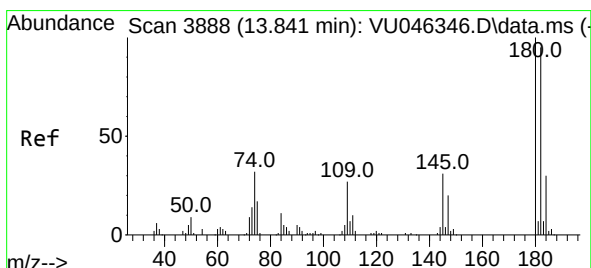
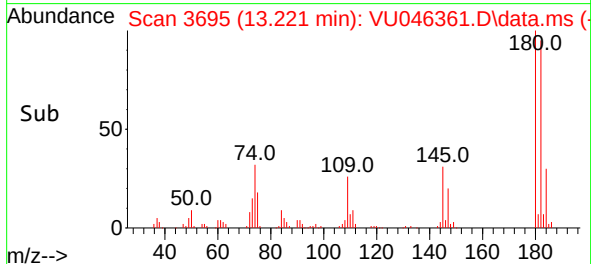
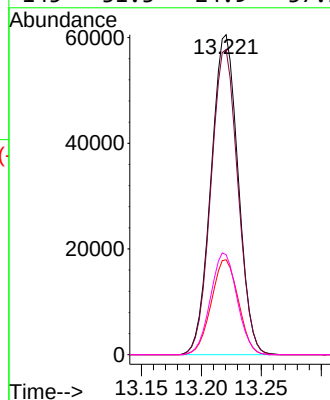
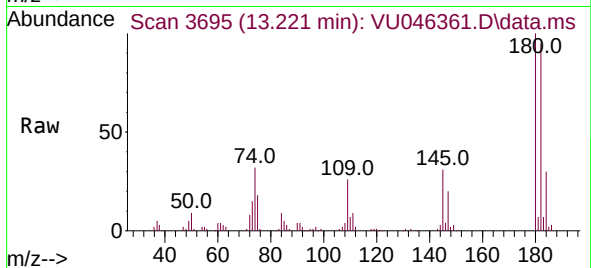




#69
 1,3,5-Trichlorobenzene
 Concen: 49.989 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046361.D
 Acq: 14 Dec 2021 17:11

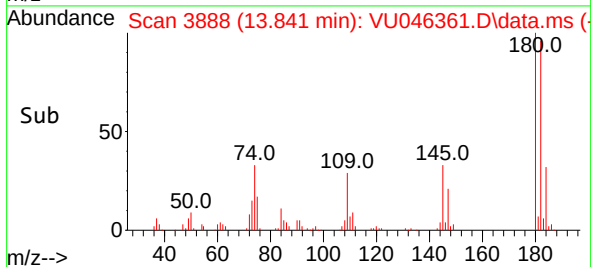
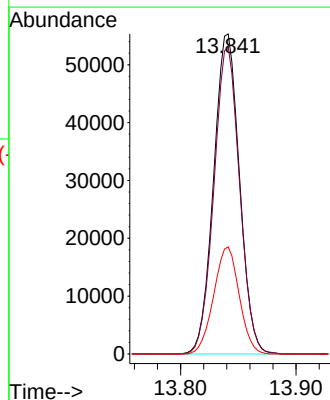
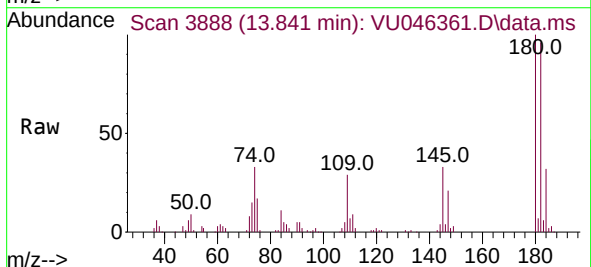
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050142

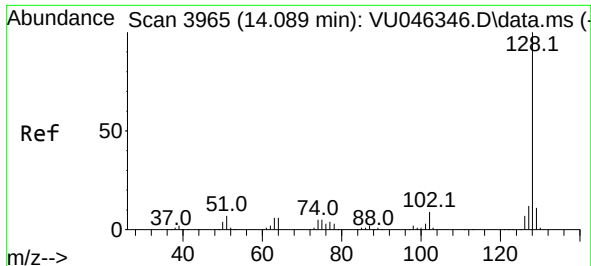
Tgt Ion:180	Resp:	94823
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.9 113.9
184	29.7	24.2 36.4
145	31.3	24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 51.044 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046361.D
 Acq: 14 Dec 2021 17:11

Tgt Ion:180	Resp:	85922
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.7 115.1
145	33.1	26.0 39.0



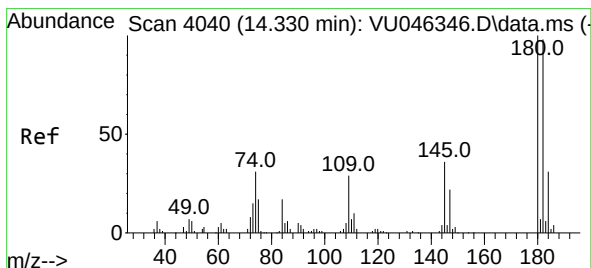
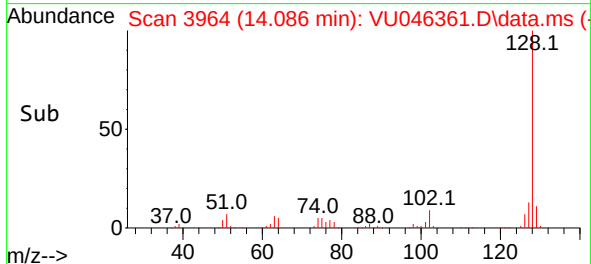
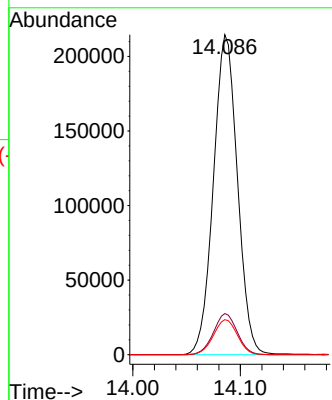
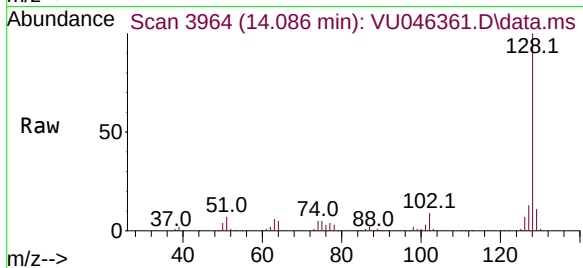


#71
Naphthalene
Concen: 56.799 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD050142

Tgt Ion:128 Resp: 332699

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 53.626 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046361.D
Acq: 14 Dec 2021 17:11

Tgt Ion:180 Resp: 92050

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	34.3	27.3	40.9

