

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112421\
 Data File : VU045988.D
 Acq On : 24 Nov 2021 12:39
 Operator : SY/MD
 Sample : M4825-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4658MS

Quant Time: Nov 26 00:19:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 00:17:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	102529	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	102214	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	52749	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	16014	1.971	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	39.400%#
7) Chloroethane-d5	1.919	69	24904	4.211	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.571	65	11440	3.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	4.652	46	129961	59.700	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.400%
24) Chloroform-d	5.066	84	66600	4.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.706	65	38006	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.732	84	130688	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.693	67	42758	4.820	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.899	98	116974	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	8.182	79	13176	3.659	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.636	63	94699	58.423	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.840%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40551	5.411	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	45329	5.005	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	38497	4.611	ug/L	99
3) Chloromethane	1.523	50	35041	3.961	ug/L	98
5) Vinyl chloride	1.607	62	40186	4.526	ug/L	97
6) Bromomethane	1.861	94	20206	3.837	ug/L	98
8) Chloroethane	1.938	64	23687	4.679	ug/L	99
9) Trichlorofluoromethane	2.144	101	54422	4.748	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	32417	4.823	ug/L	98
12) 1,1-Dichloroethene	2.584	96	29590	4.662	ug/L	87
13) Acetone	2.674	43	74831	58.403	ug/L	95
14) Carbon disulfide	2.800	76	80152	3.993	ug/L	99
15) Methyl Acetate	2.964	43	15753	5.011	ug/L	91
16) Methylene chloride	3.051	84	34291	3.660	ug/L	100
17) Methyl tert-butyl Ether	3.369	73	90568	5.481	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	32423	4.766	ug/L	96
19) 1,1-Dichloroethane	3.877	63	73296	5.751	ug/L	99
21) 2-Butanone	4.729	43	126385	58.624	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	58017	7.865	ug/L	99
23) Bromochloromethane	4.980	128	17238	5.362	ug/L	93
25) Chloroform	5.092	83	65497	4.737	ug/L	96

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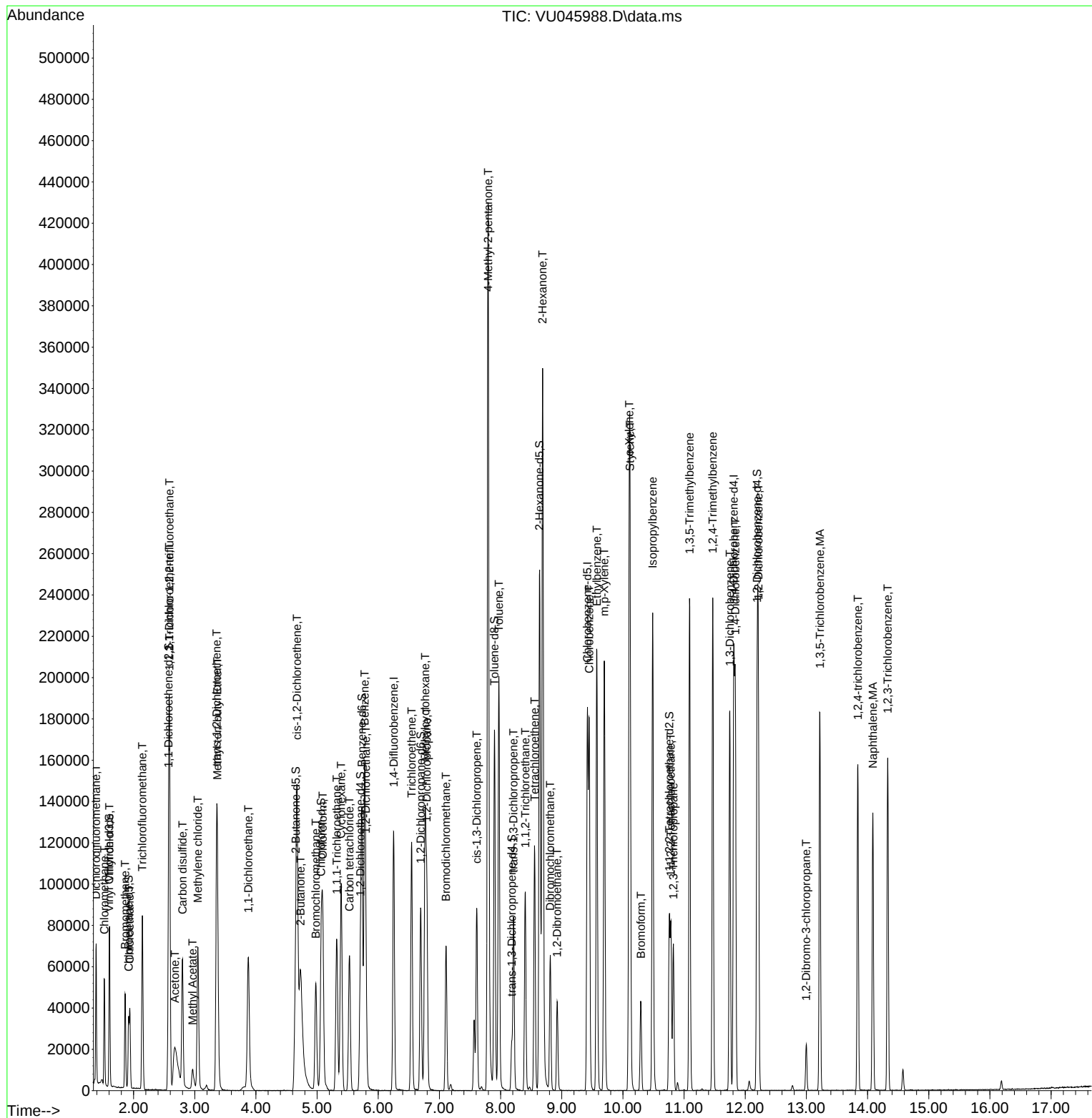
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	43999	4.987	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	54678	4.924	ug/L	99
30) Cyclohexane	5.394	56	50754	4.608	ug/L	99
31) Carbon tetrachloride	5.530	117	46187	4.946	ug/L	98
33) Benzene	5.777	78	136189	4.775	ug/L	100
34) Trichloroethene	6.546	95	40937	5.569	ug/L	95
35) Methylcyclohexane	6.767	83	53923	4.777	ug/L	97
37) 1,2-Dichloropropane	6.793	63	36303	4.836	ug/L	98
38) Bromodichloromethane	7.108	83	46919	5.066	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	53134	4.981	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	288771	58.652	ug/L	97
42) Toluene	7.973	91	149592	5.081	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	49122	5.294	ug/L	94
45) 1,1,2-Trichloroethane	8.404	97	30789	5.525	ug/L	96
47) Tetrachloroethene	8.555	164	25613	4.977	ug/L	97
48) 2-Hexanone	8.687	43	220487	61.990	ug/L	98
49) Dibromochloromethane	8.812	129	34069	5.368	ug/L	95
50) 1,2-Dibromoethane	8.925	107	28876	5.500	ug/L	96
51) Chlorobenzene	9.449	112	94984	5.143	ug/L	98
52) Ethylbenzene	9.574	91	158693	5.149	ug/L	99
53) m,p-Xylene	9.697	106	61816	5.236	ug/L	96
54) o-Xylene	10.102	106	59606	5.232	ug/L	94
55) Styrene	10.118	104	103731	5.409	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	39877	5.587	ug/L	94
59) Bromoform	10.295	173	19558	5.598	ug/L	99
60) Isopropylbenzene	10.488	105	161651	5.220	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	30869	5.637	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	132806	5.245	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	134021	5.283	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	74680	5.169	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	75185	5.123	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	72898	5.263	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	5739	5.038	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	55301	5.117	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	47066	5.147	ug/L	99
71) Naphthalene	14.085	128	104890	5.583	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	46994	5.165	ug/L	98

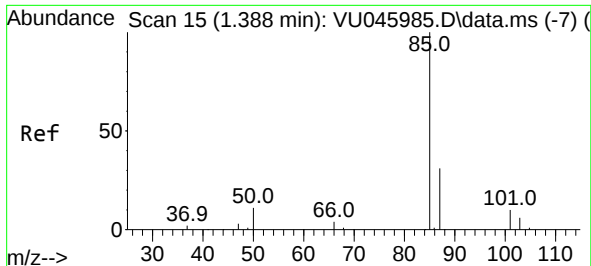
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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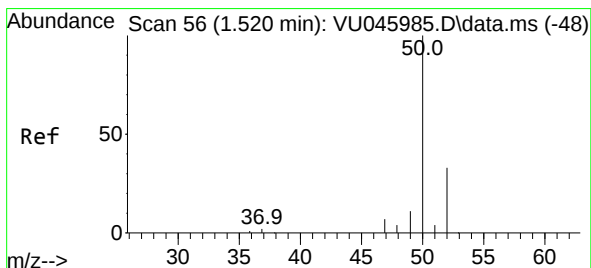
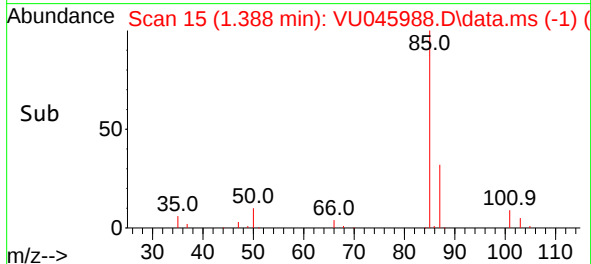
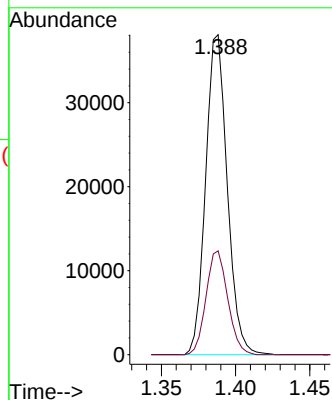
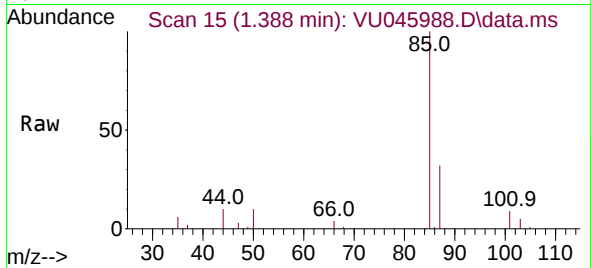




#2
Dichlorodifluoromethane
Concen: 4.611 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

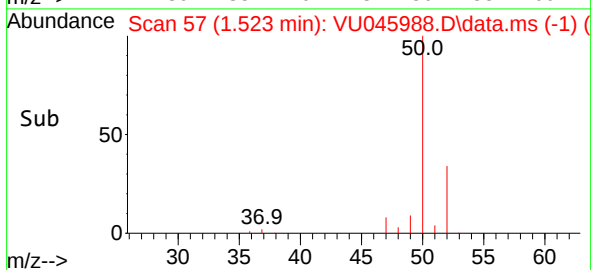
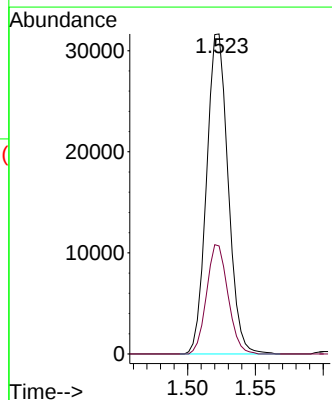
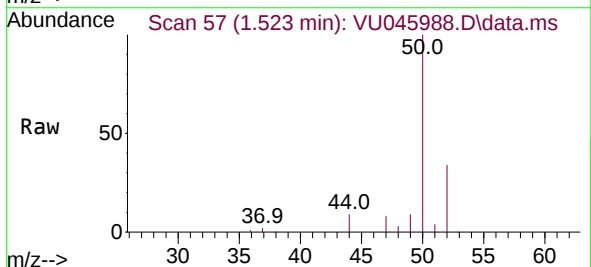
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

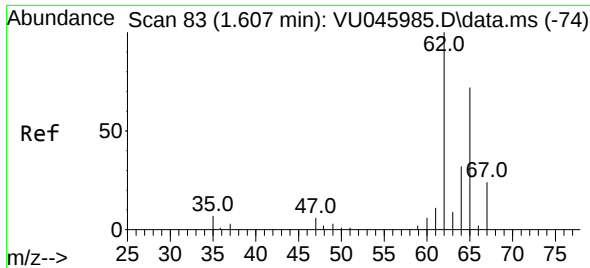
Tgt Ion: 85 Resp: 38497
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.6



#3
Chloromethane
Concen: 3.961 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 50 Resp: 35041
Ion Ratio Lower Upper
50 100
52 33.8 23.0 42.8

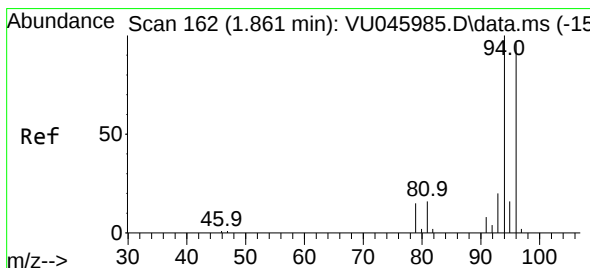
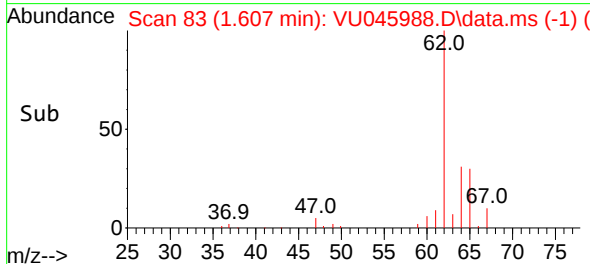
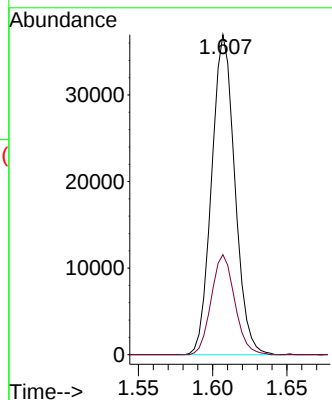
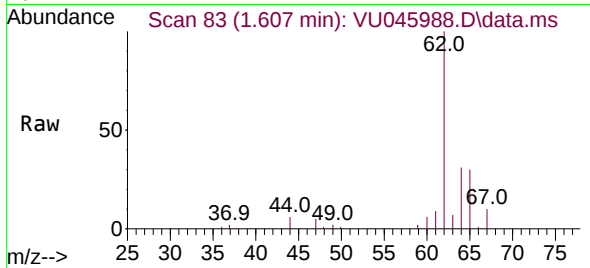




#5
 Vinyl chloride
 Concen: 4.526 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU045988.D
 Acq: 24 Nov 2021 12:39

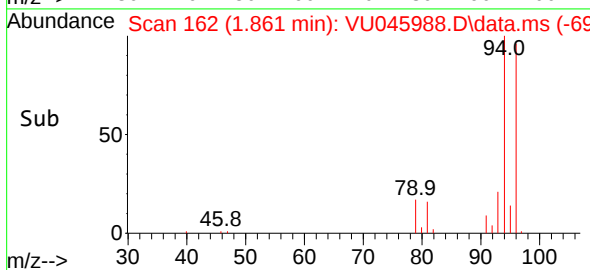
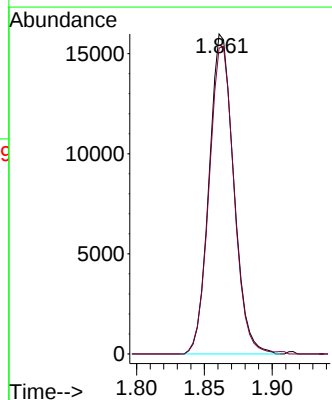
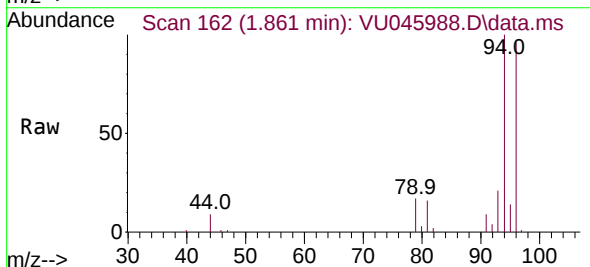
Instrument :
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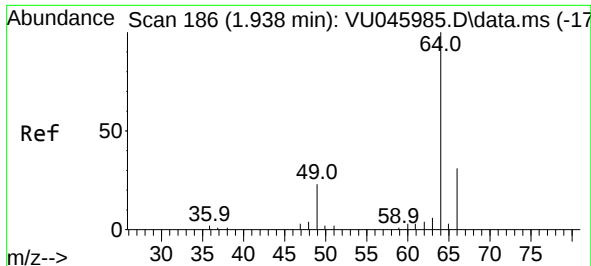
Tgt Ion: 62 Resp: 40186
 Ion Ratio Lower Upper
 62 100
 64 31.2 22.9 42.5



#6
 Bromomethane
 Concen: 3.837 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU045988.D
 Acq: 24 Nov 2021 12:39

Tgt Ion: 94 Resp: 20206
 Ion Ratio Lower Upper
 94 100
 96 95.6 65.5 121.6

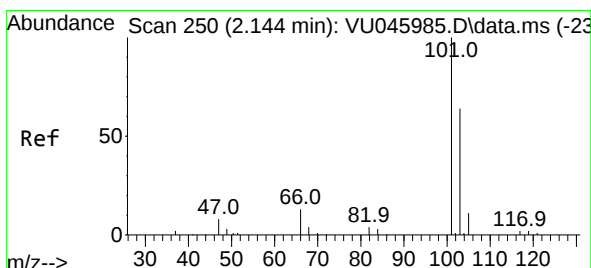
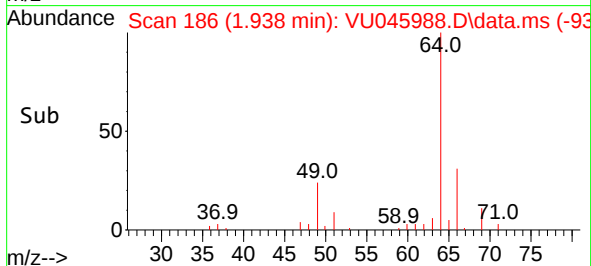
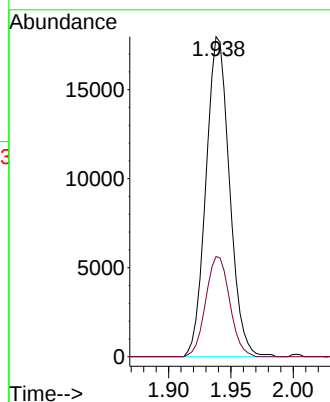
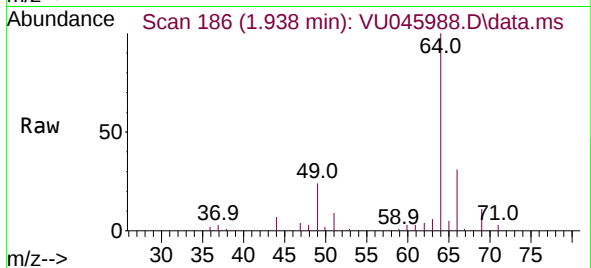




#8
Chloroethane
Concen: 4.679 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

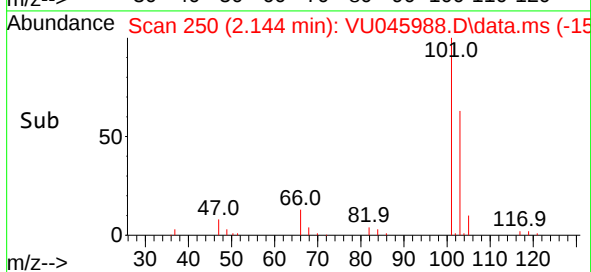
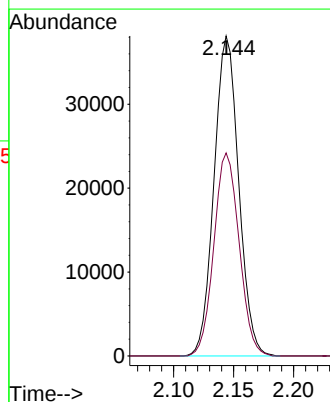
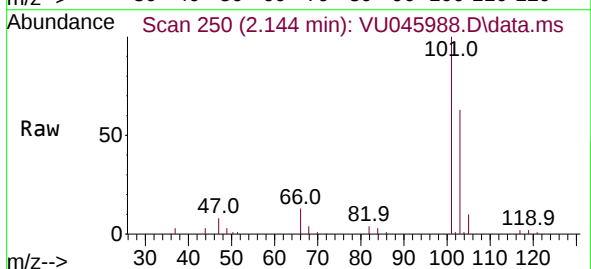
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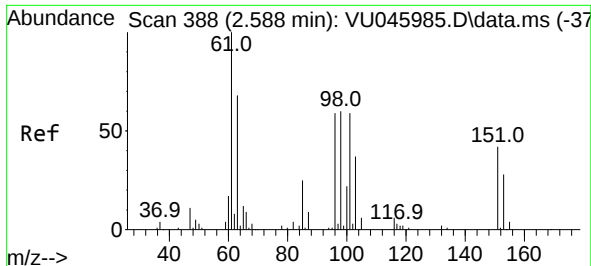
Tgt Ion: 64 Resp: 23687
Ion Ratio Lower Upper
64 100
66 31.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.748 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion:101 Resp: 54422
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3





#10

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

Concen: 4.823 ug/L

RT: 2.587 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

H4658MS

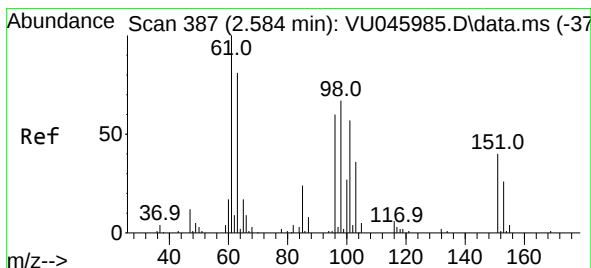
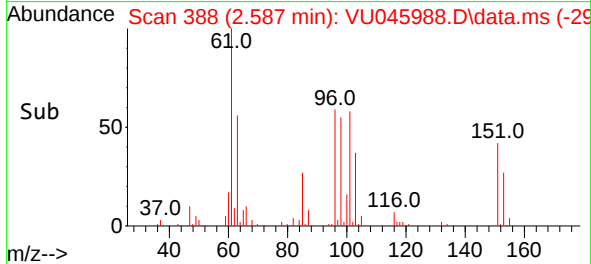
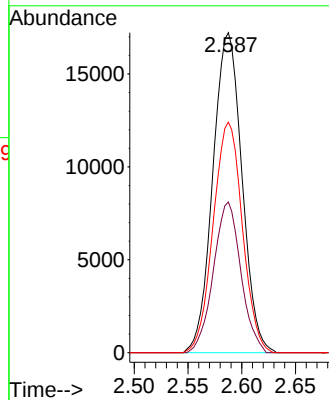
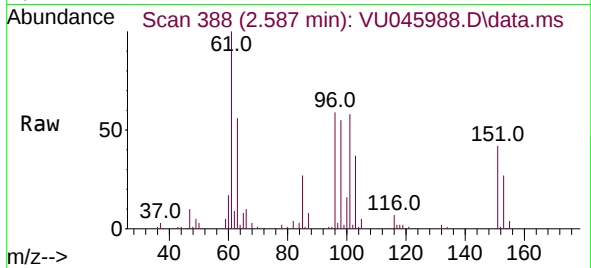
Tgt Ion:101 Resp: 32417

Ion Ratio Lower Upper

101 100

85 44.5 34.6 51.8

151 72.3 56.1 84.1



#12

1,1-Dichloroethene

Concen: 4.662 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

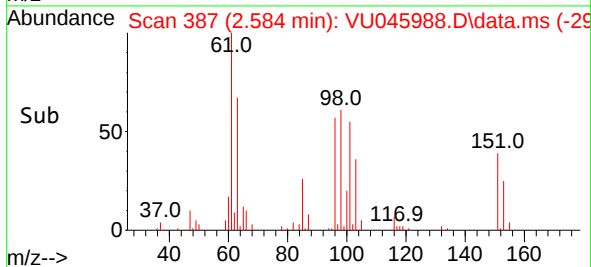
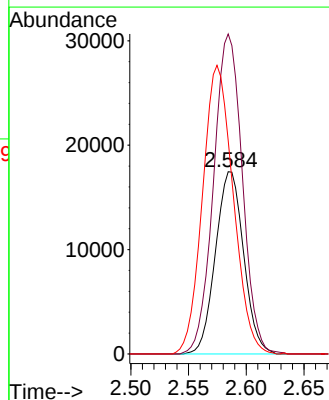
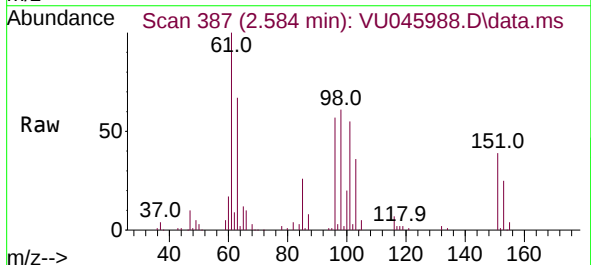
Tgt Ion: 96 Resp: 29590

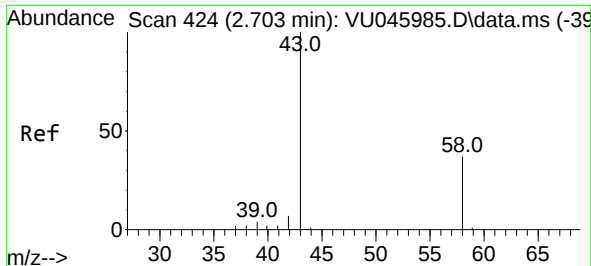
Ion Ratio Lower Upper

96 100

61 175.5 124.7 231.5

63 117.1 105.2 195.4





#13

Acetone

Concen: 58.403 ug/L

RT: 2.674 min Scan# 415

Delta R.T. -0.029 min

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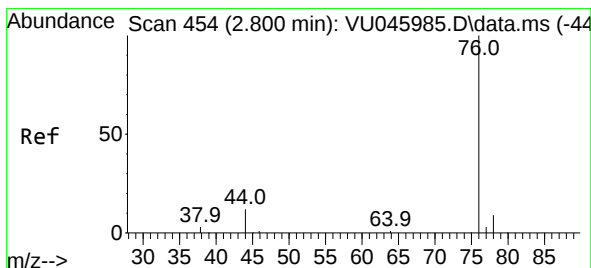
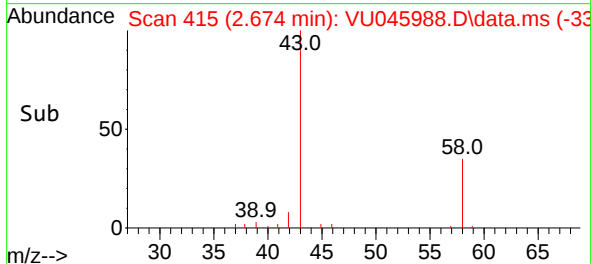
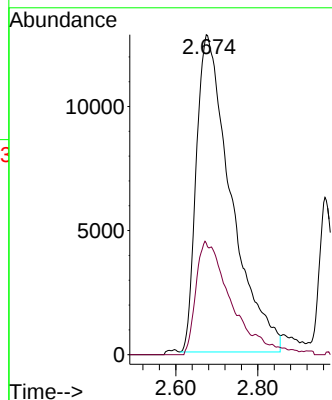
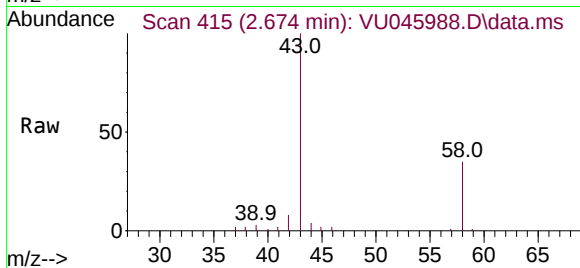
H4658MS

Tgt Ion: 43 Resp: 74831

Ion Ratio Lower Upper

43 100

58 33.0 0.0 71.6



#14

Carbon disulfide

Concen: 3.993 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU045988.D

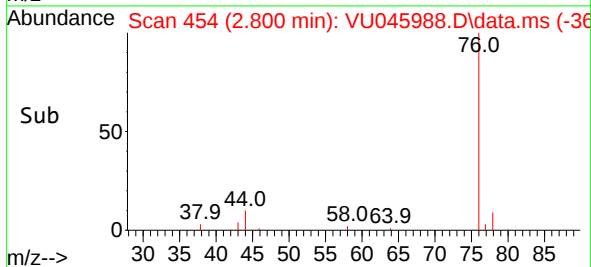
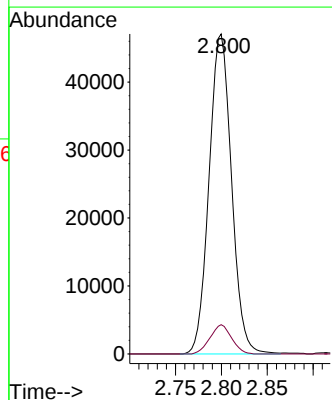
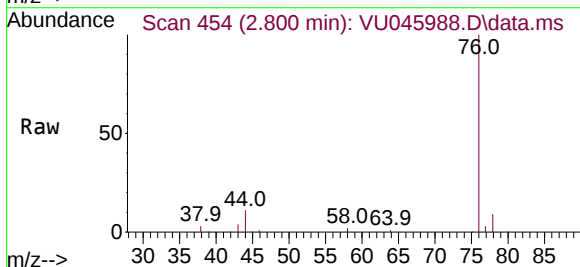
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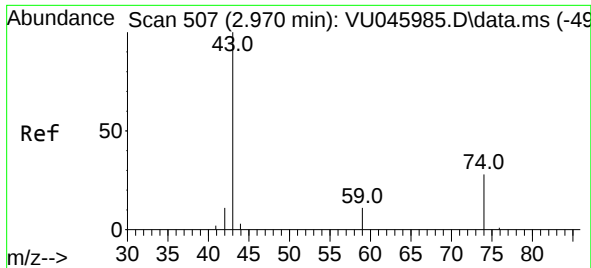
Tgt Ion: 76 Resp: 80152

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

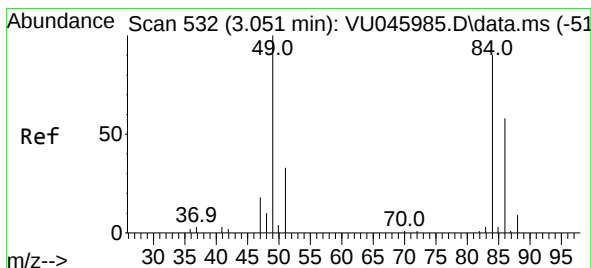
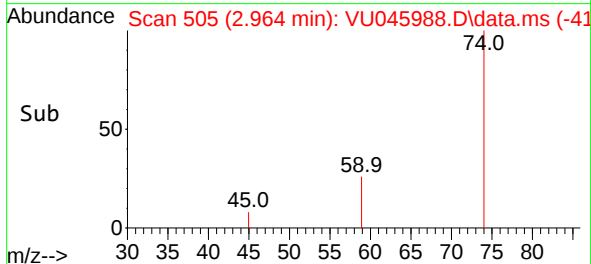
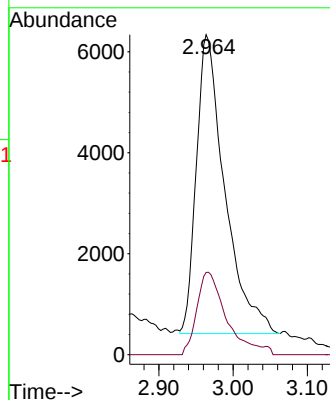
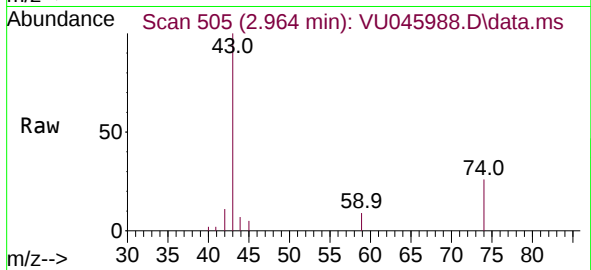




#15
Methyl Acetate
Concen: 5.011 ug/L
RT: 2.964 min Scan# 507
Delta R.T. -0.006 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

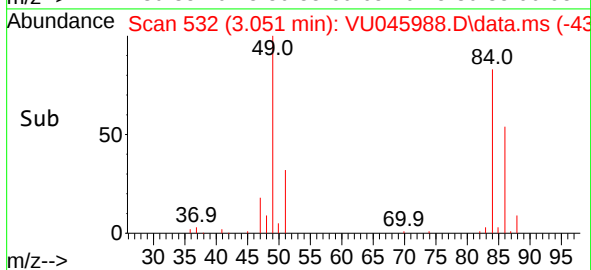
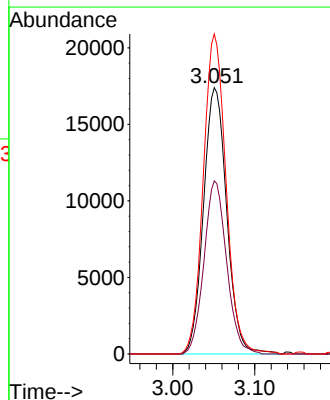
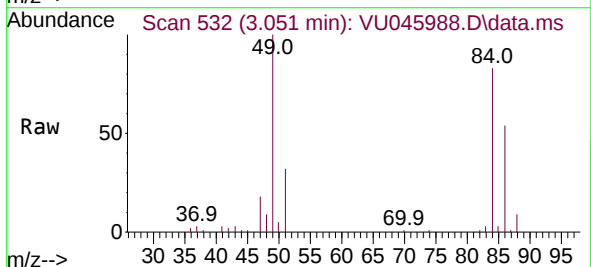
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

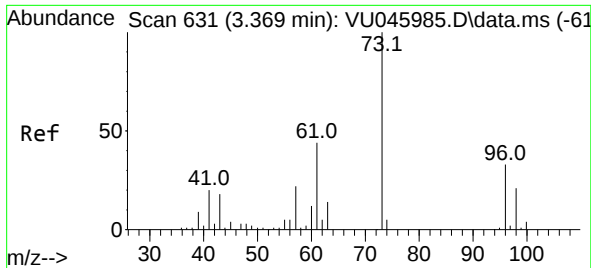
Tgt Ion: 43 Resp: 15753
Ion Ratio Lower Upper
43 100
74 28.1 19.1 28.7



#16
Methylene chloride
Concen: 3.660 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 84 Resp: 34291
Ion Ratio Lower Upper
84 100
86 65.0 45.8 85.0
49 120.2 84.5 156.9

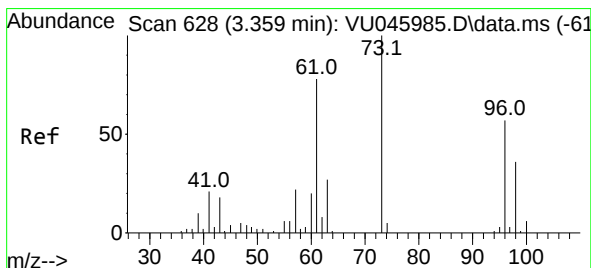
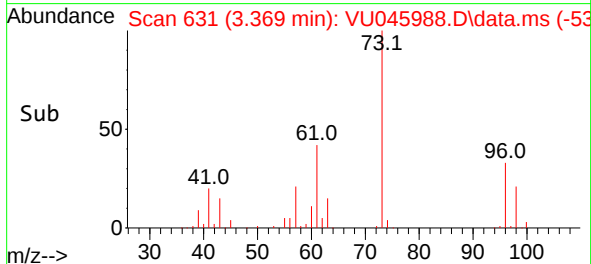
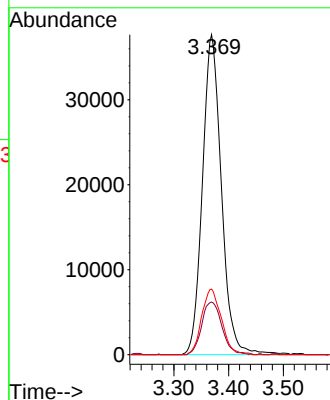
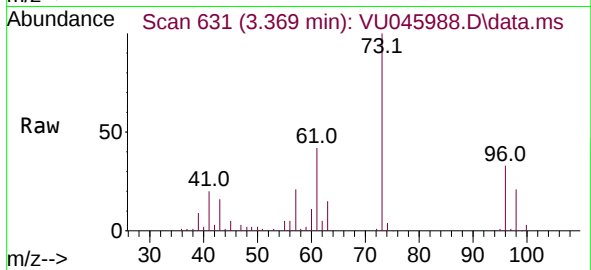




#17
Methyl tert-butyl Ether
Concen: 5.481 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

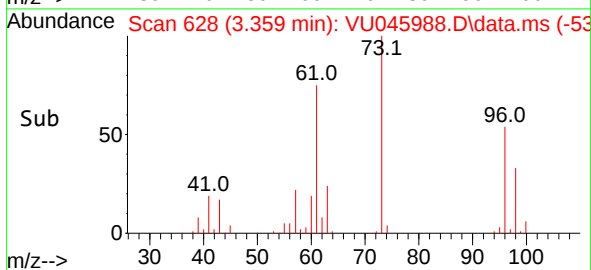
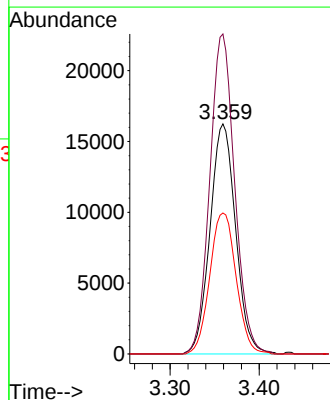
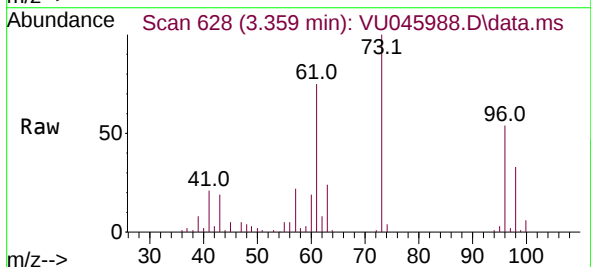
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

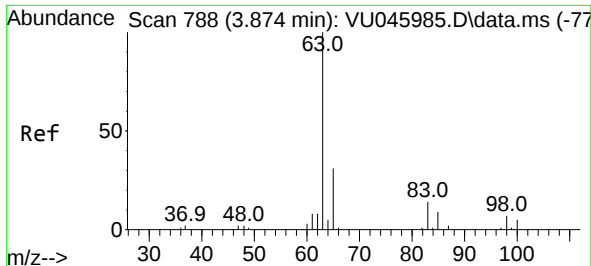
Tgt Ion: 73 Resp: 90568
Ion Ratio Lower Upper
73 100
43 17.7 14.8 22.2
57 21.2 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.766 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 96 Resp: 32423
Ion Ratio Lower Upper
96 100
61 139.1 100.8 187.2
98 61.2 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.751 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

H4658MS

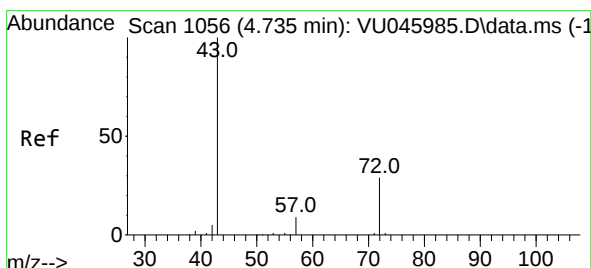
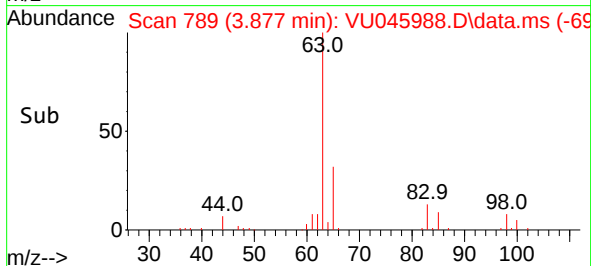
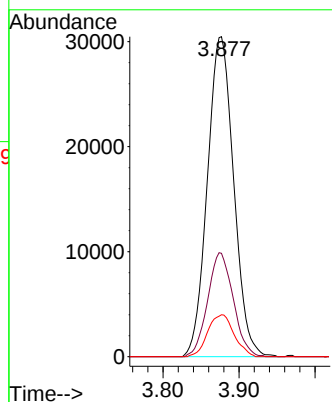
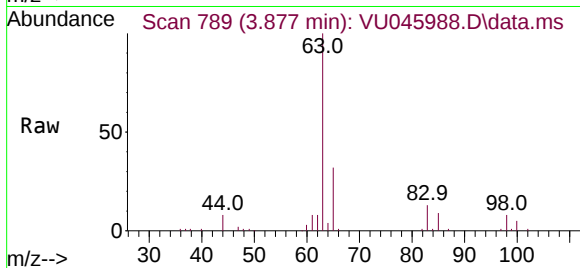
Tgt Ion: 63 Resp: 73296

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.5

83 13.1 9.6 17.8



#21

2-Butanone

Concen: 58.624 ug/L

RT: 4.729 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VU045988.D

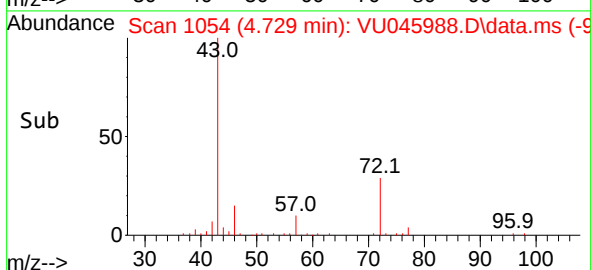
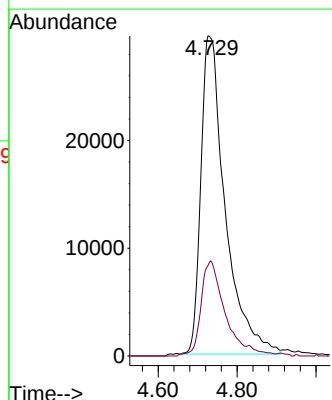
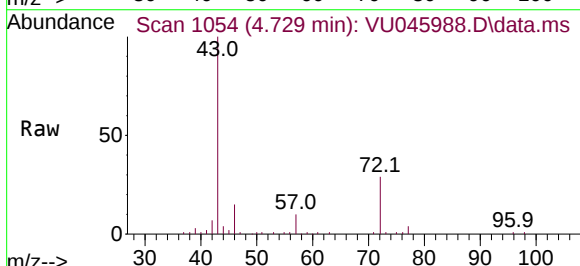
Acq: 24 Nov 2021 12:39

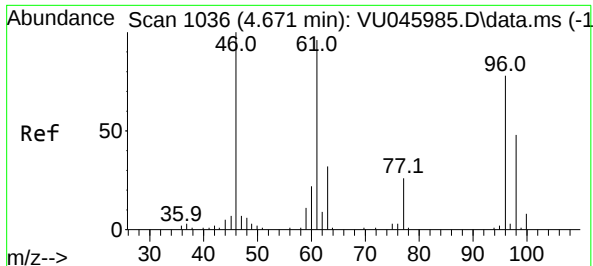
Tgt Ion: 43 Resp: 126385

Ion Ratio Lower Upper

43 100

72 27.9 14.1 42.3

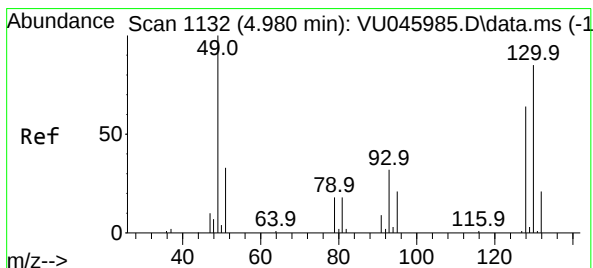
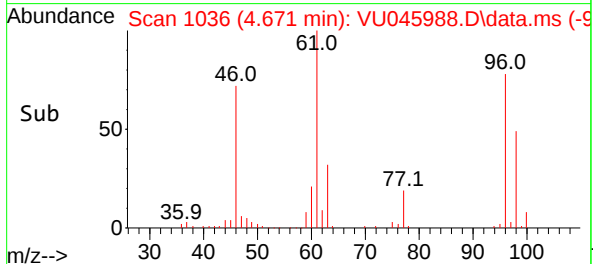
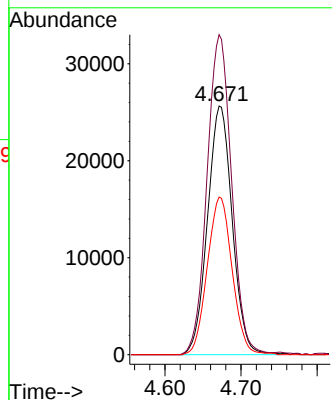
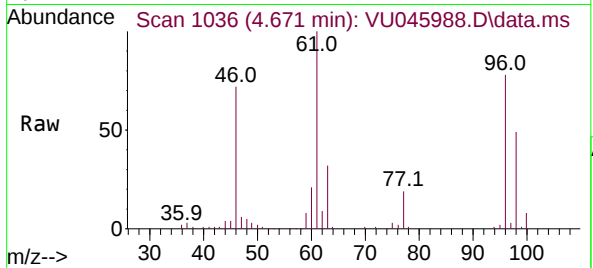




#22
cis-1,2-Dichloroethene
Concen: 7.865 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

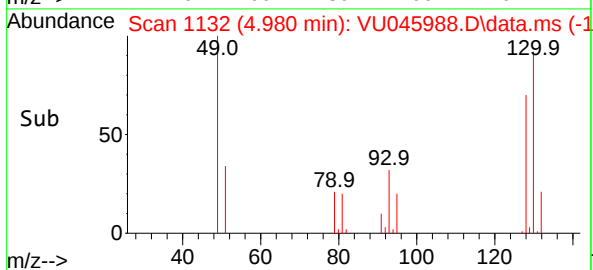
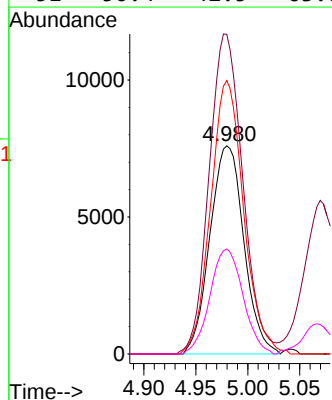
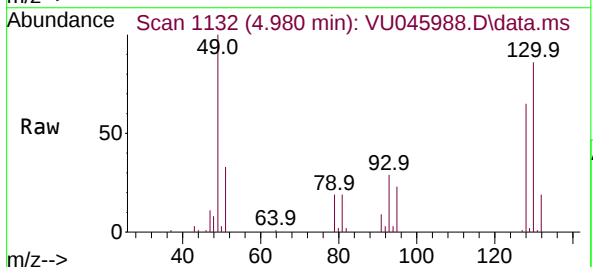
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

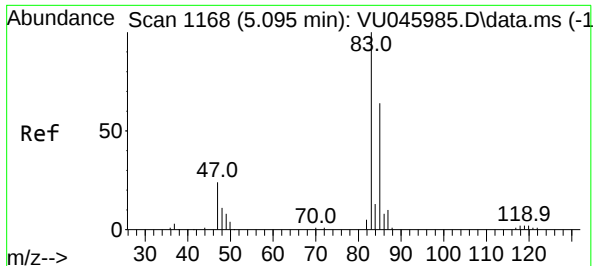
Tgt Ion: 96 Resp: 58017
Ion Ratio Lower Upper
96 100
61 128.7 88.5 164.3
98 63.4 44.4 82.5



#23
Bromochloromethane
Concen: 5.362 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 128 Resp: 17238
Ion Ratio Lower Upper
128 100
49 153.6 117.0 217.2
130 131.3 88.2 163.8
51 50.4 42.5 63.7





#25

Chloroform

Concen: 4.737 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

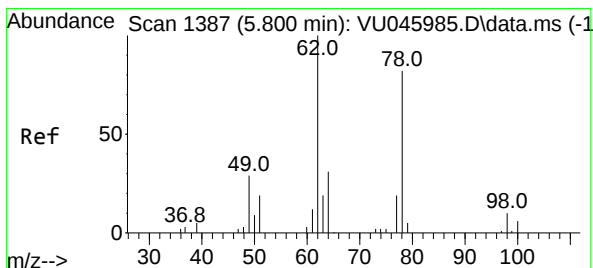
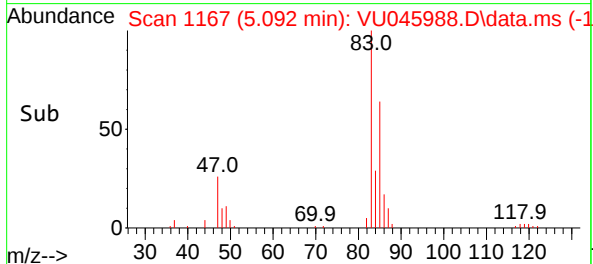
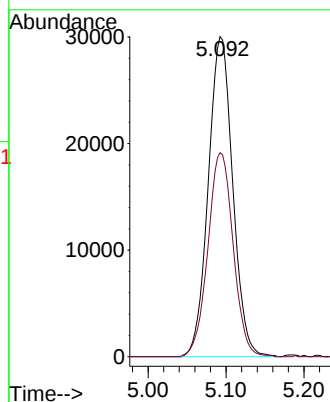
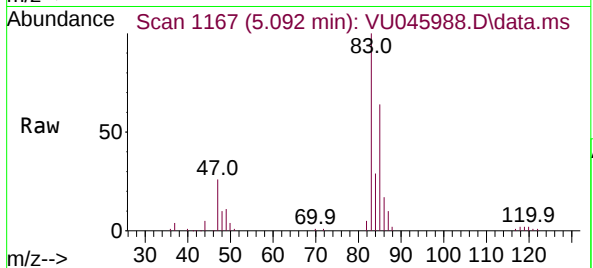
H4658MS

Tgt Ion: 83 Resp: 65497

Ion Ratio Lower Upper

83 100

85 63.8 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.987 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU045988.D

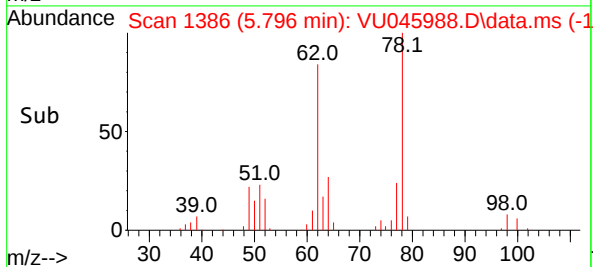
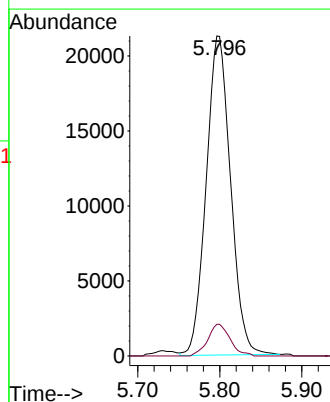
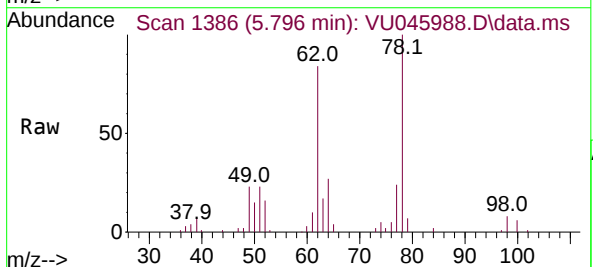
Acq: 24 Nov 2021 12:39

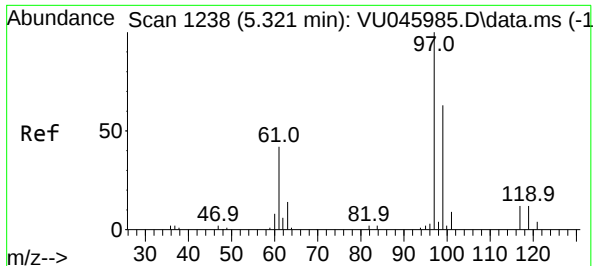
Tgt Ion: 62 Resp: 43999

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.924 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

H4658MS

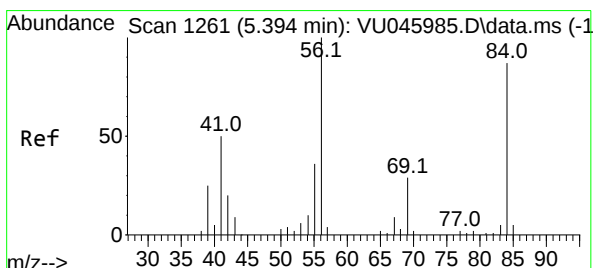
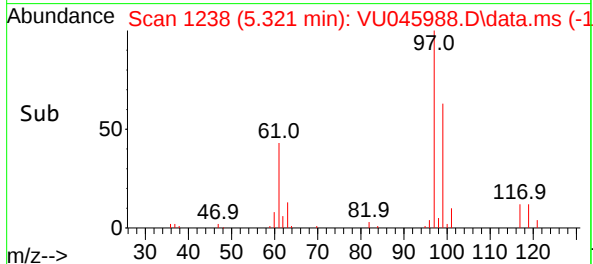
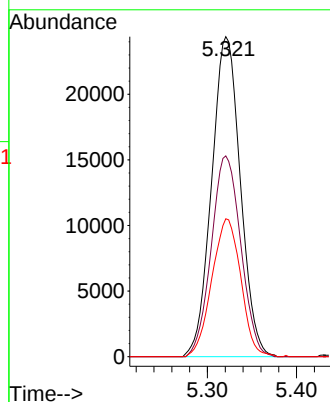
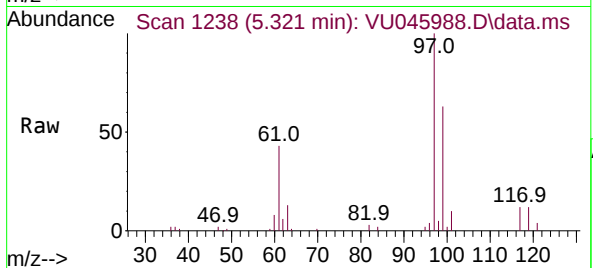
Tgt Ion: 97 Resp: 54678

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 43.4 36.1 54.1



#30

Cyclohexane

Concen: 4.608 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

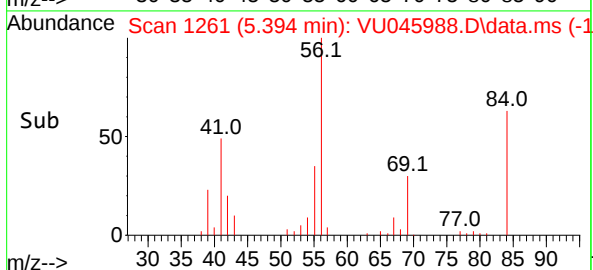
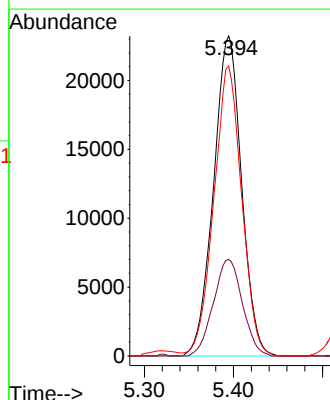
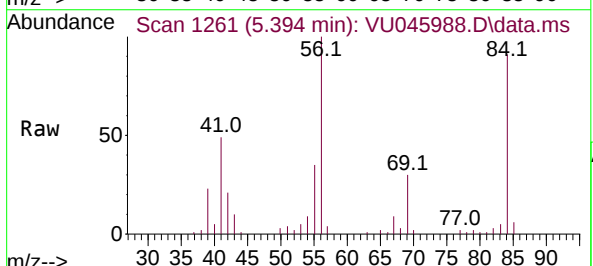
Tgt Ion: 56 Resp: 50754

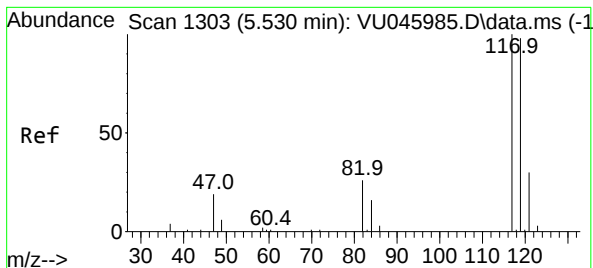
Ion Ratio Lower Upper

56 100

69 31.3 24.7 37.1

84 90.2 71.8 107.6





#31

Carbon tetrachloride

Concen: 4.946 ug/L

RT: 5.530 min Scan# 117

Delta R.T. 0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

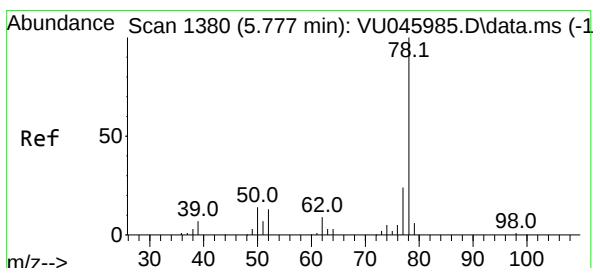
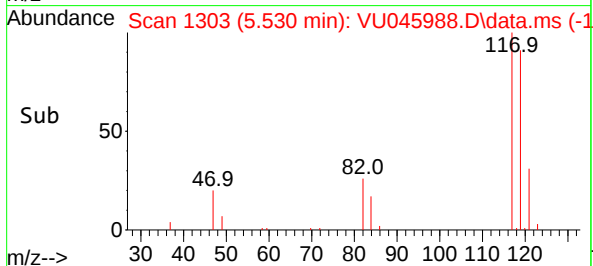
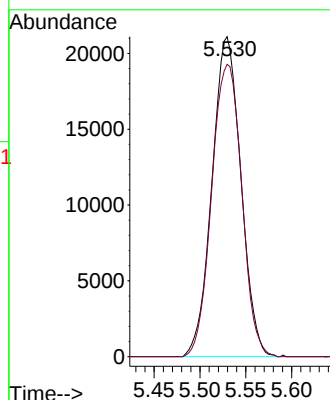
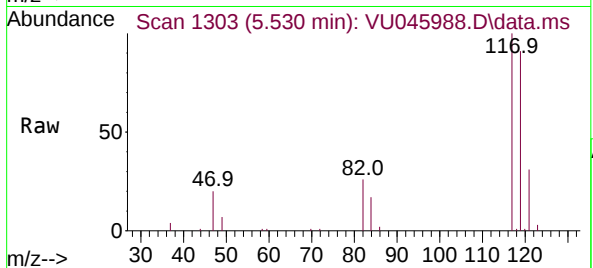
H4658MS

Tgt Ion:117 Resp: 46187

Ion Ratio Lower Upper

117 100

119 95.1 77.5 116.3



#33

Benzene

Concen: 4.775 ug/L

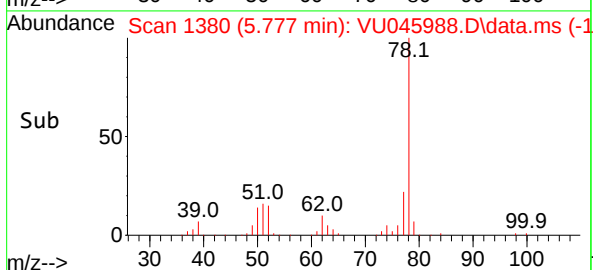
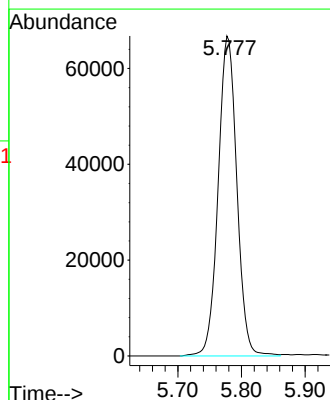
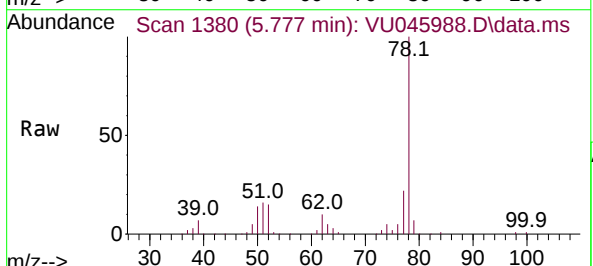
RT: 5.777 min Scan# 1380

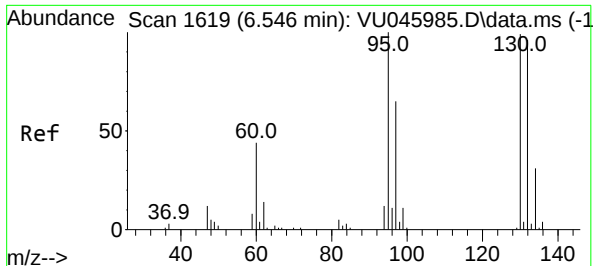
Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Tgt Ion: 78 Resp: 136189

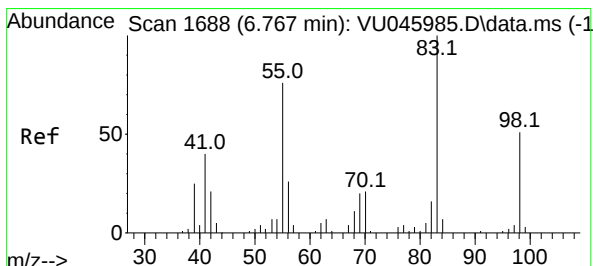
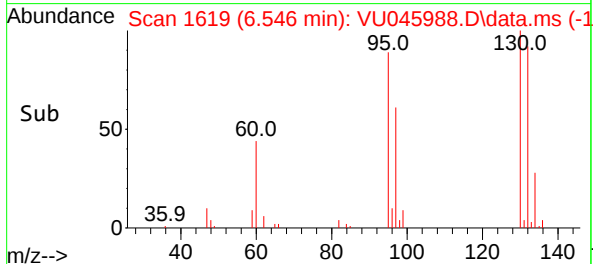
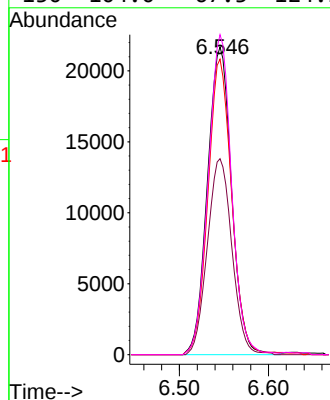
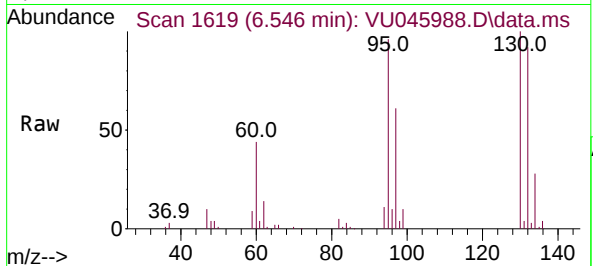




#34
Trichloroethene
Concen: 5.569 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

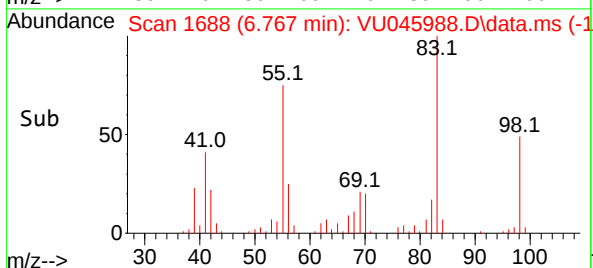
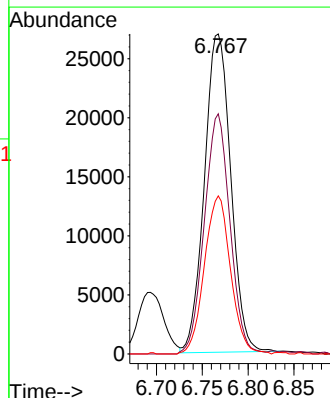
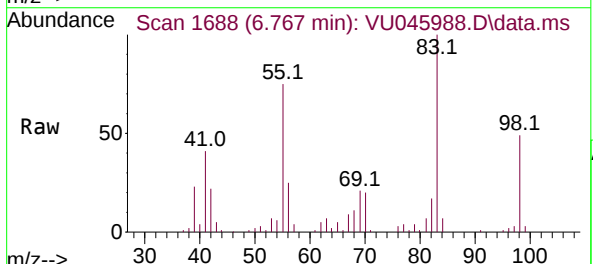
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

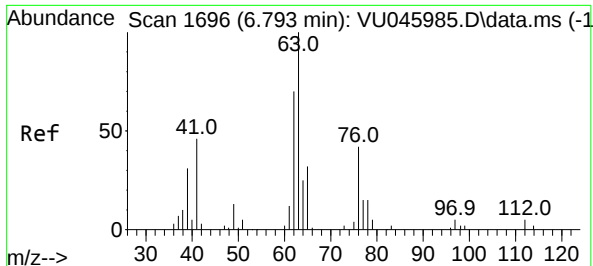
Tgt Ion: 95 Resp: 40937
Ion Ratio Lower Upper
95 100
97 63.7 46.5 86.5
132 96.1 65.1 120.9
130 104.0 67.3 124.9



#35
Methylcyclohexane
Concen: 4.777 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 83 Resp: 53923
Ion Ratio Lower Upper
83 100
55 73.2 61.9 92.9
98 49.2 39.0 58.6

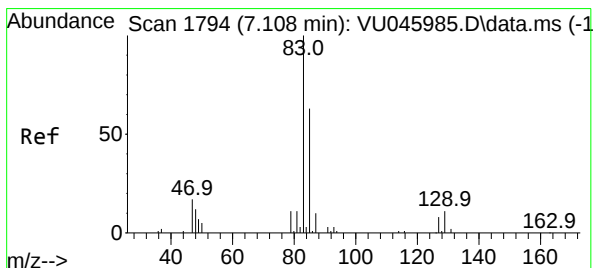
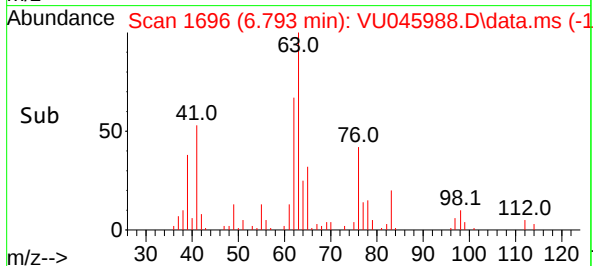
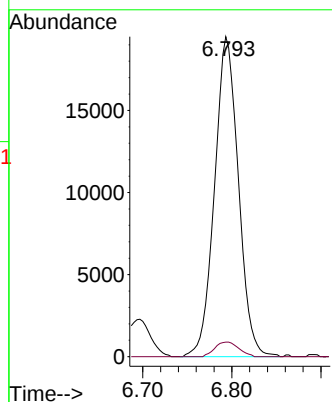
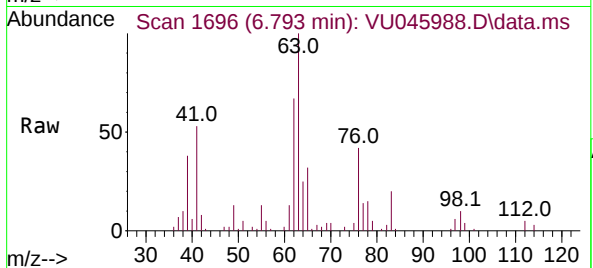




#37
1,2-Dichloropropane
Concen: 4.836 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

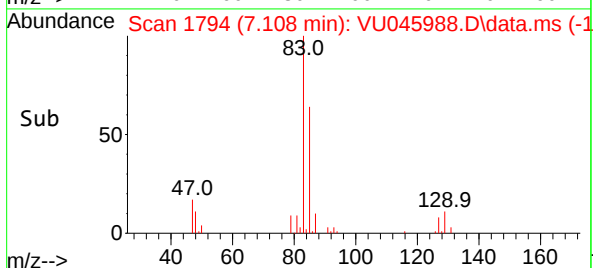
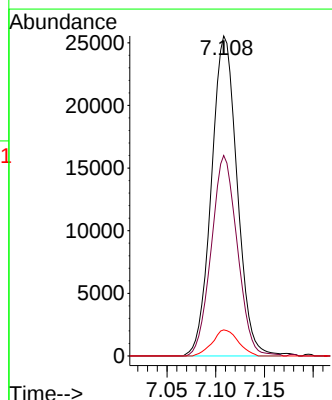
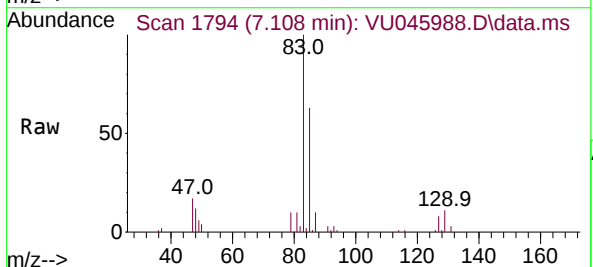
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

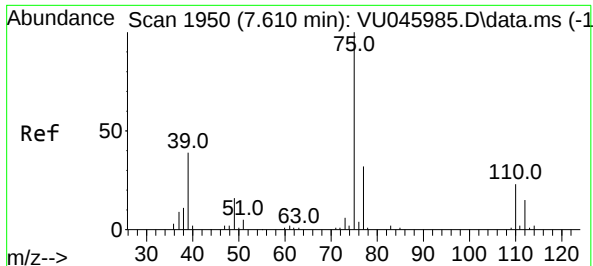
Tgt Ion: 63 Resp: 36303
Ion Ratio Lower Upper
63 100
112 4.6 3.2 4.8



#38
Bromodichloromethane
Concen: 5.066 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 83 Resp: 46919
Ion Ratio Lower Upper
83 100
85 62.6 44.0 81.8
127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.981 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

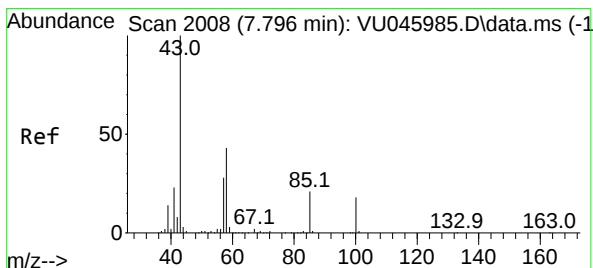
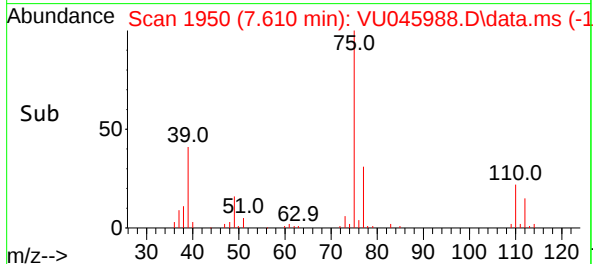
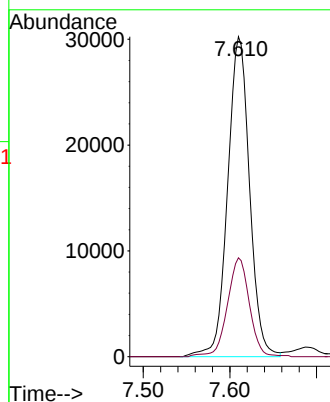
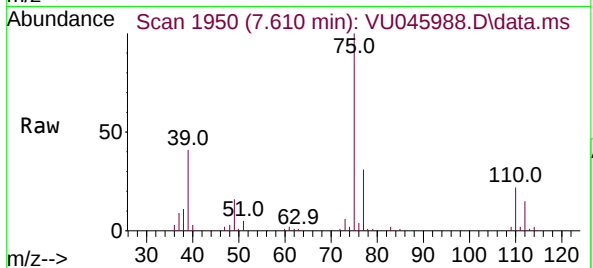
H4658MS

Tgt Ion: 75 Resp: 53134

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 58.652 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

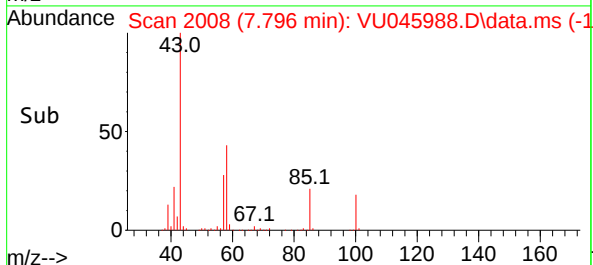
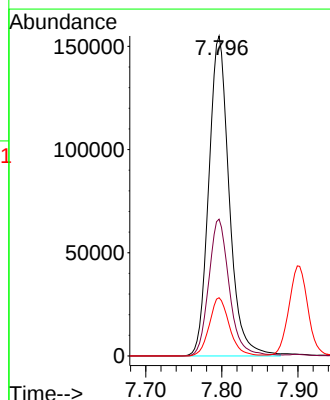
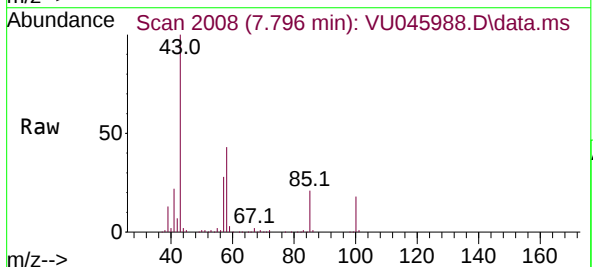
Tgt Ion: 43 Resp: 288771

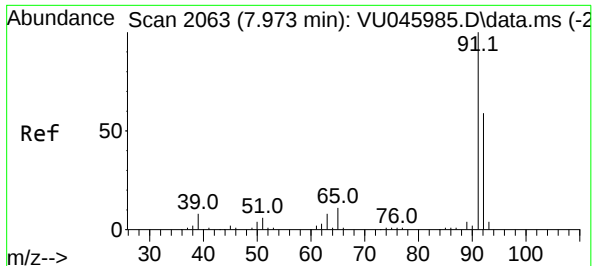
Ion Ratio Lower Upper

43 100

58 43.2 33.1 49.7

100 18.0 13.2 19.8





#42

Toluene

Concen: 5.081 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

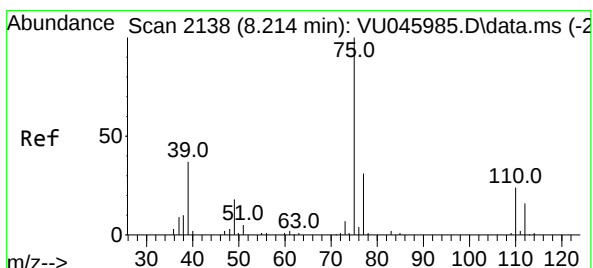
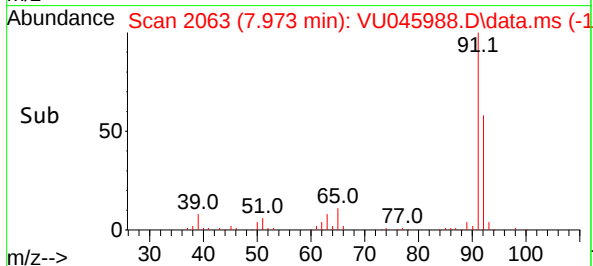
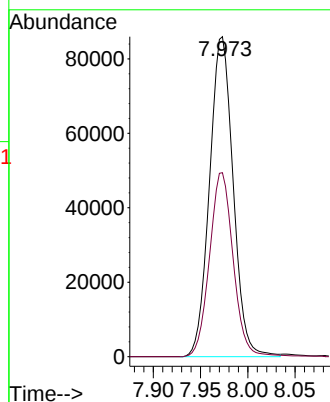
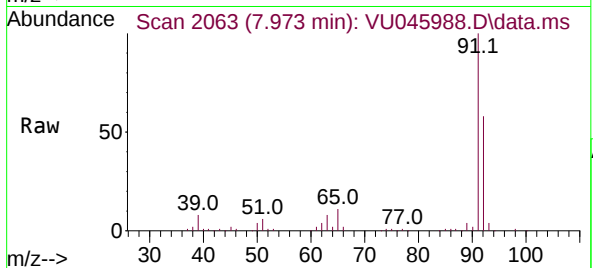
H4658MS

Tgt Ion: 91 Resp: 149592

Ion Ratio Lower Upper

91 100

92 57.5 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.294 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU045988.D

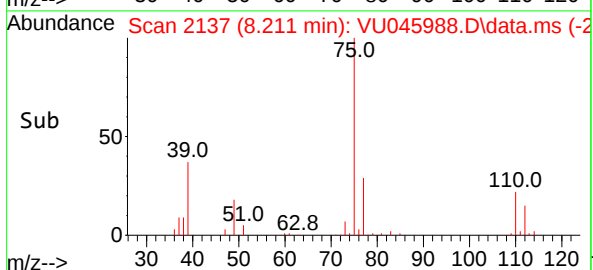
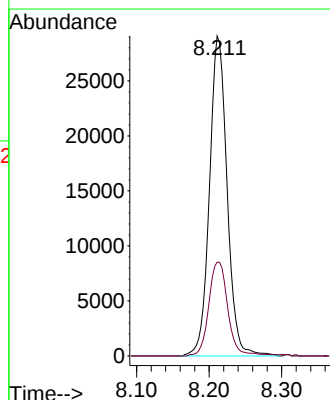
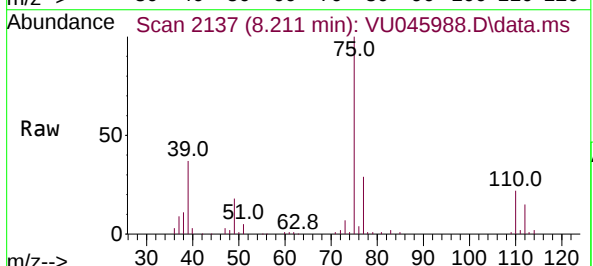
Acq: 24 Nov 2021 12:39

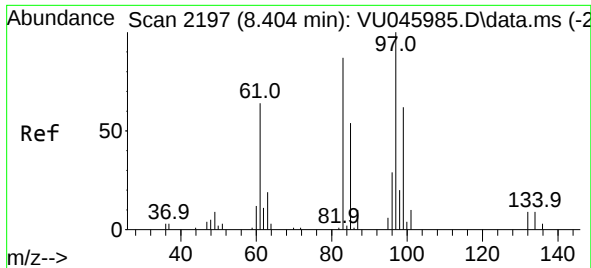
Tgt Ion: 75 Resp: 49122

Ion Ratio Lower Upper

75 100

77 29.3 22.7 42.3

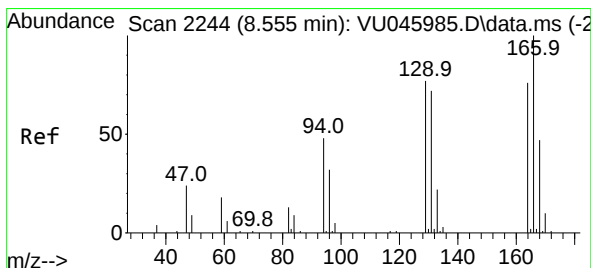
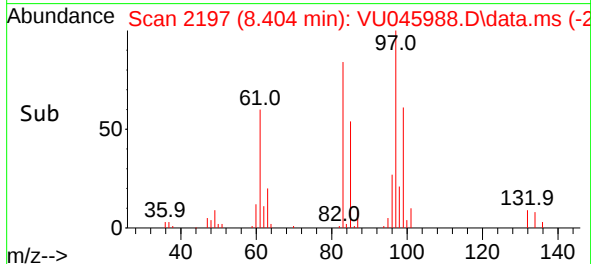
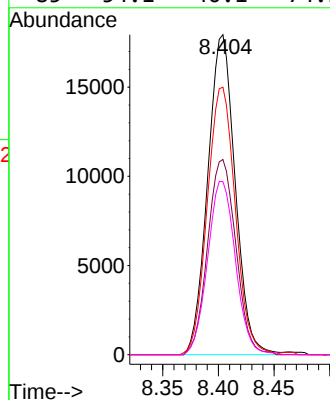
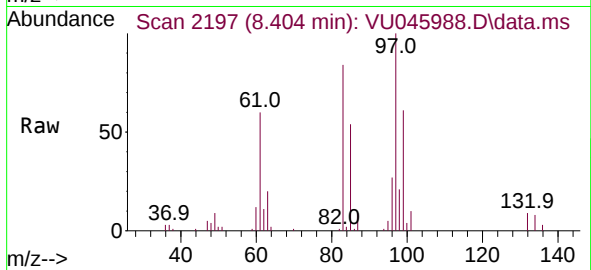




#45
1,1,2-Trichloroethane
Concen: 5.525 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

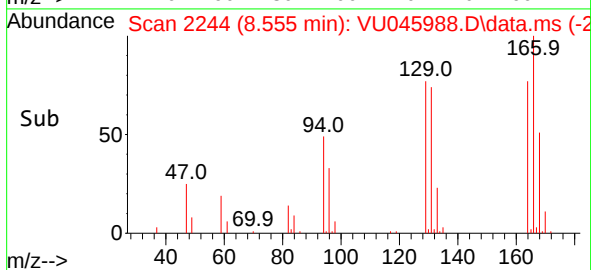
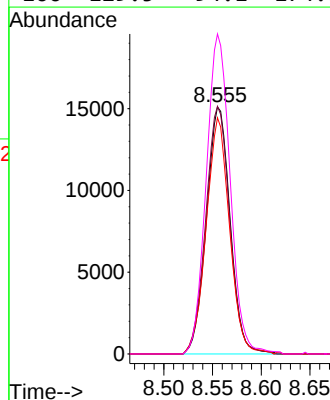
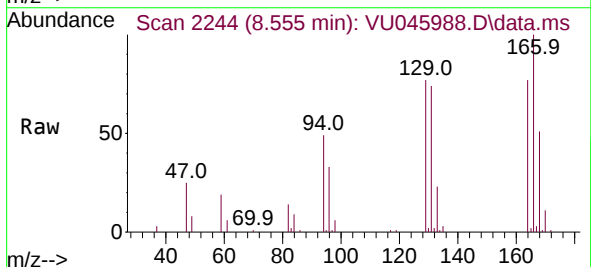
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

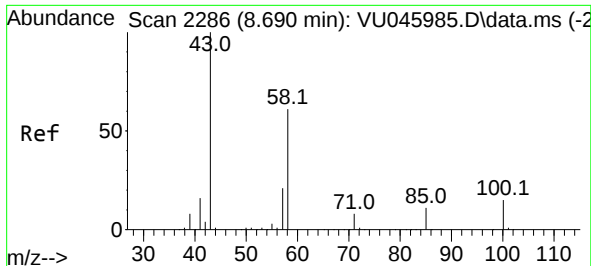
Tgt Ion:	97	Resp:	30789
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.3	78.5
83	83.6	62.0	115.2
85	54.1	40.1	74.5



#47
Tetrachloroethene
Concen: 4.977 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion:	164	Resp:	25613
Ion	Ratio	Lower	Upper
164	100		
129	100.3	71.8	133.4
131	95.6	68.5	127.3
166	129.5	94.1	174.8



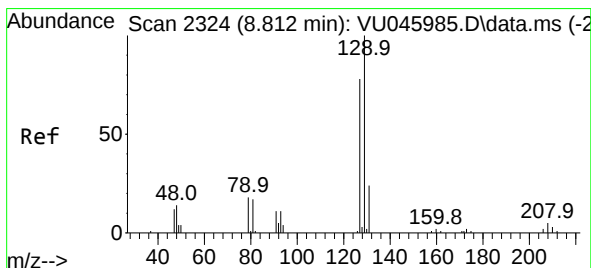
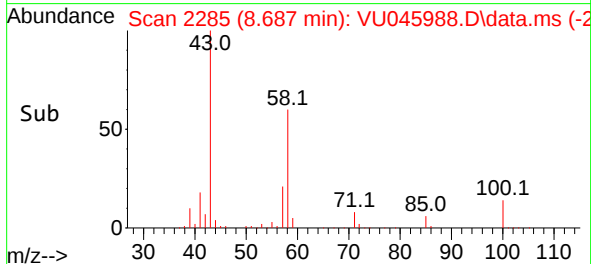
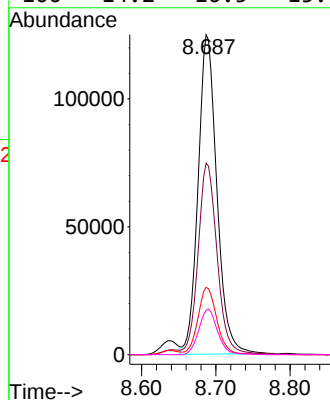
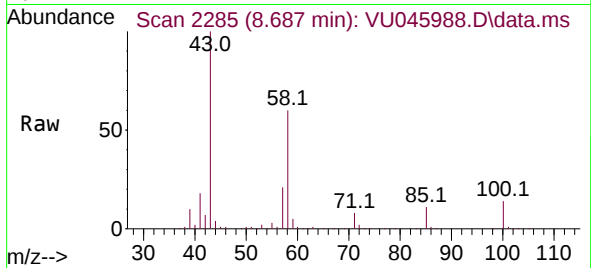


#48
2-Hexanone
Concen: 61.990 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :
H4658MS

Tgt Ion: 43 Resp: 220487

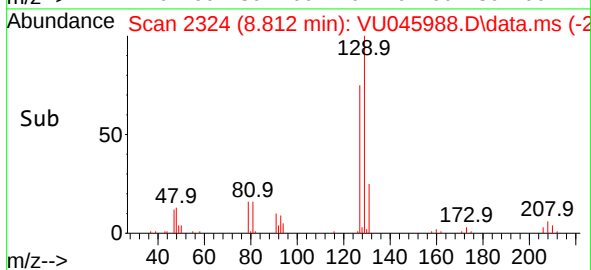
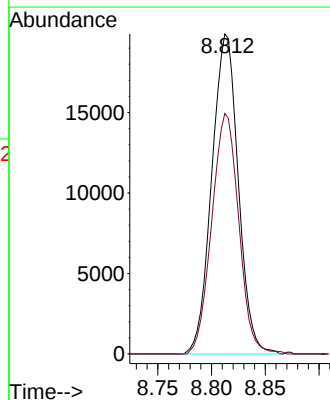
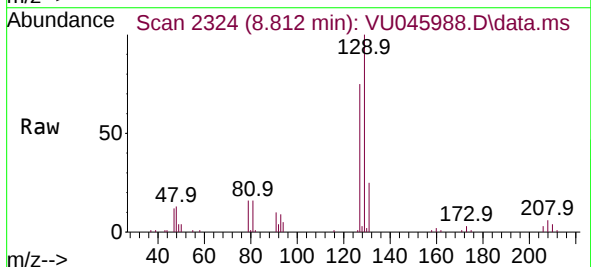
Ion	Ratio	Lower	Upper
43	100		
58	60.4	46.7	70.1
57	21.1	16.3	24.5
100	14.2	10.5	15.7

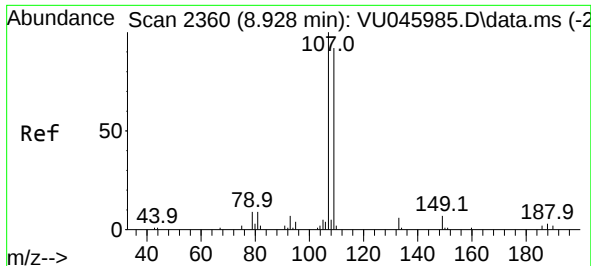


#49
Dibromochloromethane
Concen: 5.368 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 129 Resp: 34069

Ion	Ratio	Lower	Upper
129	100		
127	75.1	55.4	102.8





#50

1,2-Dibromoethane

Concen: 5.500 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

H4658MS

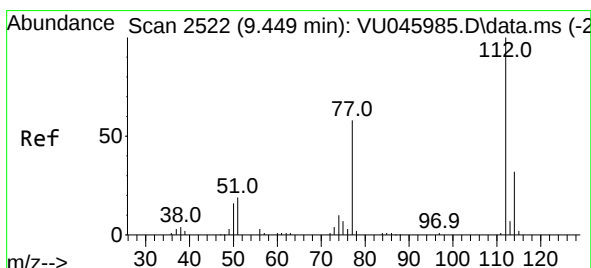
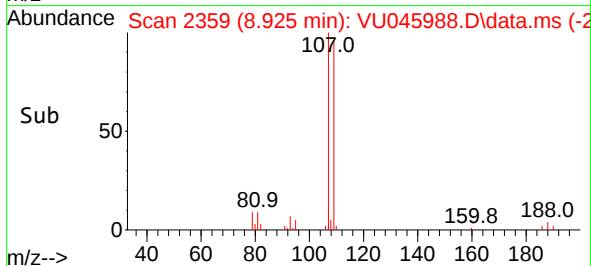
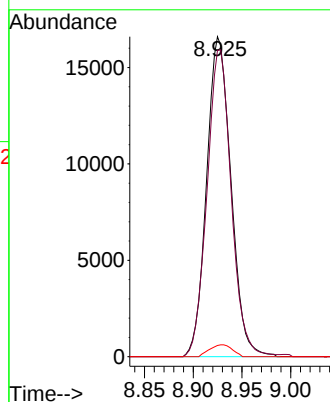
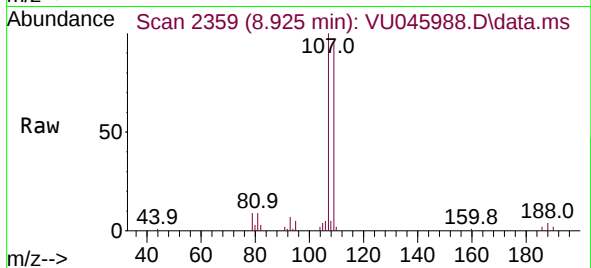
Tgt Ion:107 Resp: 28876

Ion Ratio Lower Upper

107 100

109 95.7 64.0 119.0

188 3.5 2.4 3.6



#51

Chlorobenzene

Concen: 5.143 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

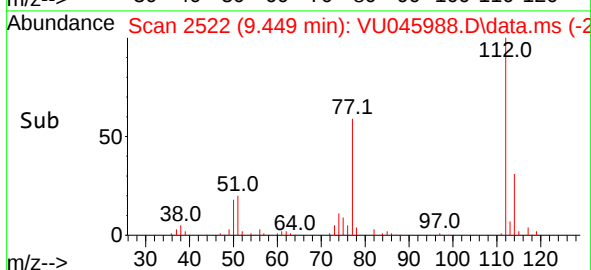
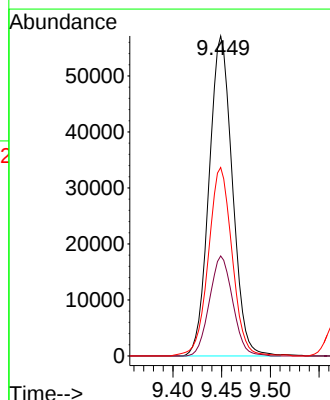
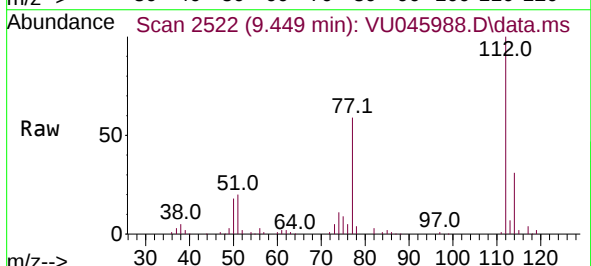
Tgt Ion:112 Resp: 94984

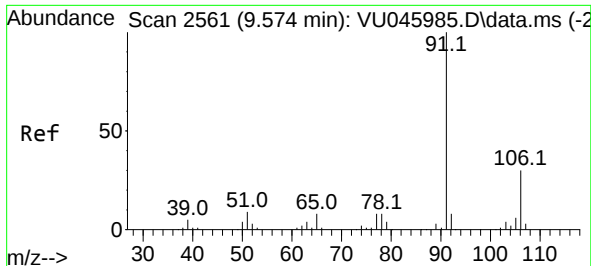
Ion Ratio Lower Upper

112 100

114 31.2 22.1 41.1

77 58.9 48.3 72.5

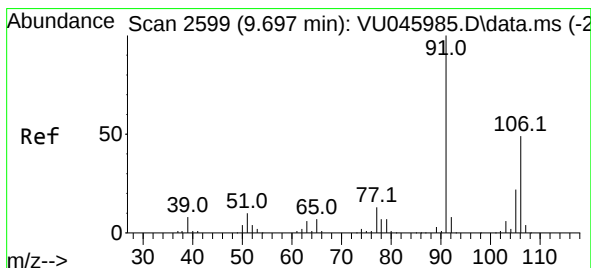
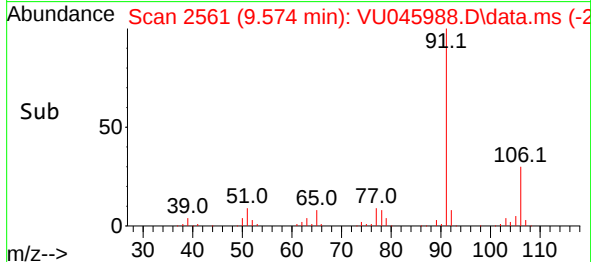
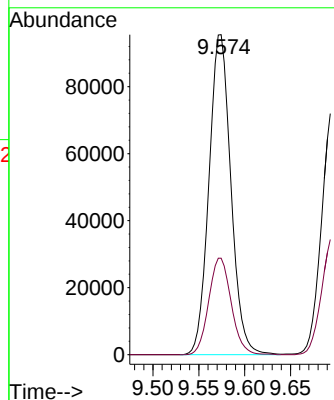
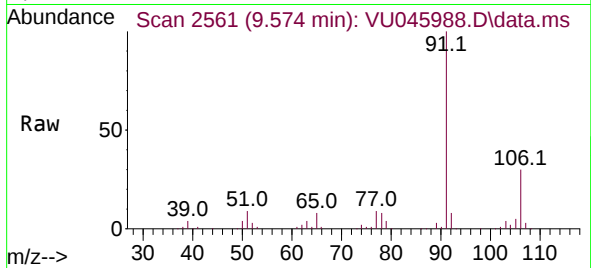




#52
Ethylbenzene
Concen: 5.149 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

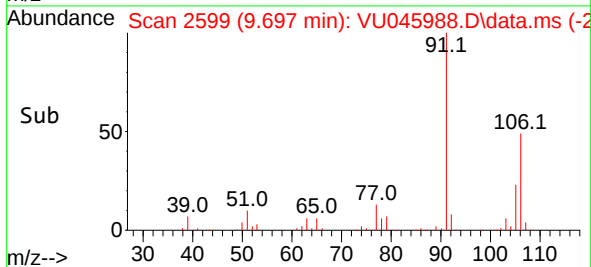
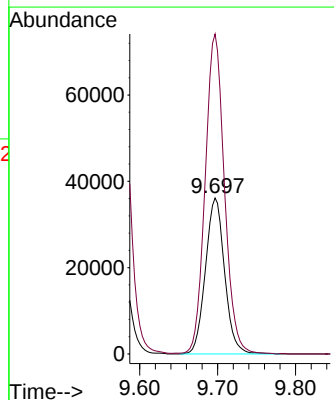
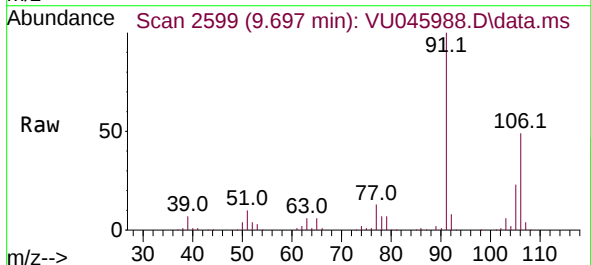
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

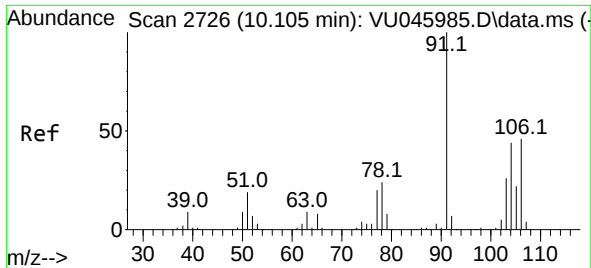
Tgt Ion: 91 Resp: 158693
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 5.236 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 106 Resp: 61816
Ion Ratio Lower Upper
106 100
91 205.2 139.4 259.0

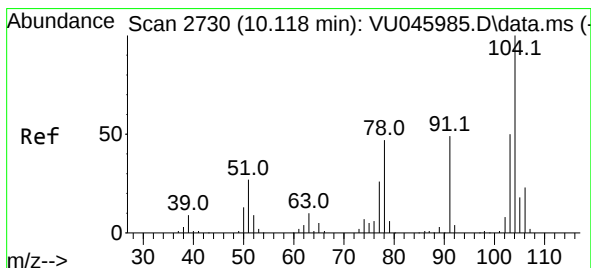
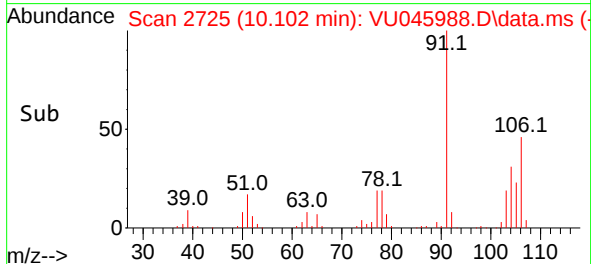
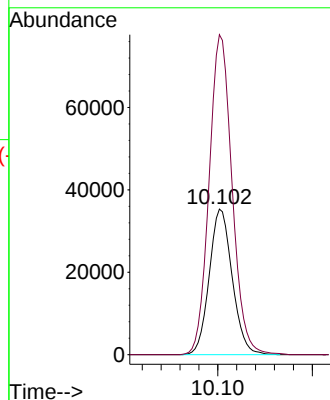
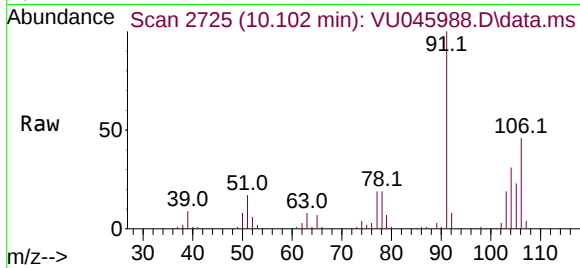




#54
o-Xylene
Concen: 5.232 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

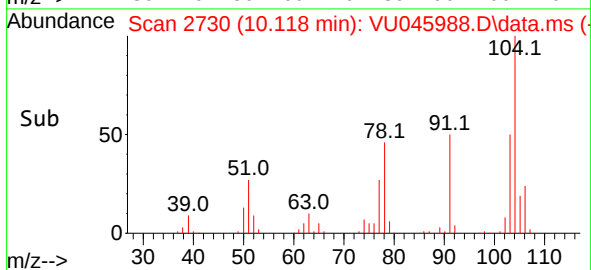
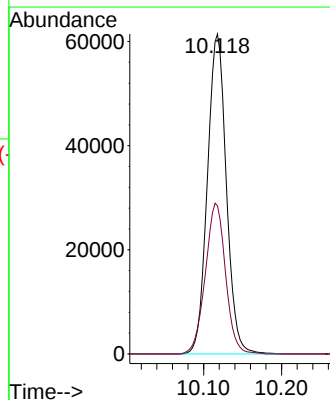
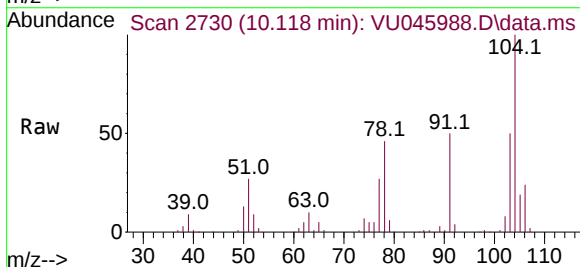
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

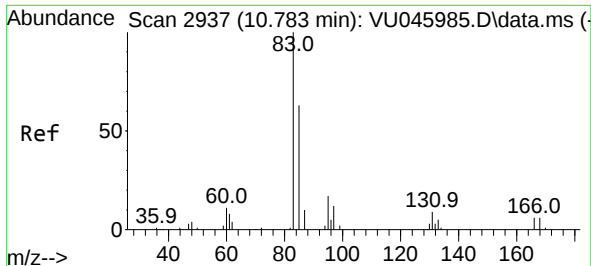
Tgt Ion:106 Resp: 59606
Ion Ratio Lower Upper
106 100
91 219.7 147.5 273.9



#55
Styrene
Concen: 5.409 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion:104 Resp: 103731
Ion Ratio Lower Upper
104 100
78 46.3 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.587 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

H4658MS

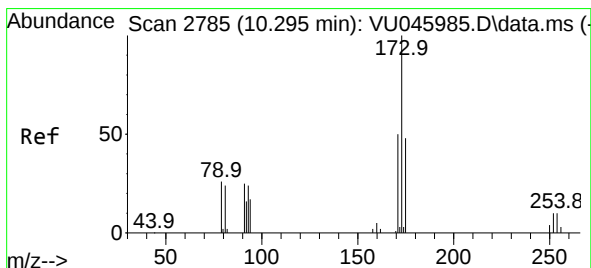
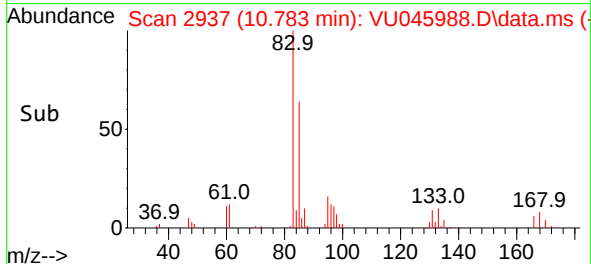
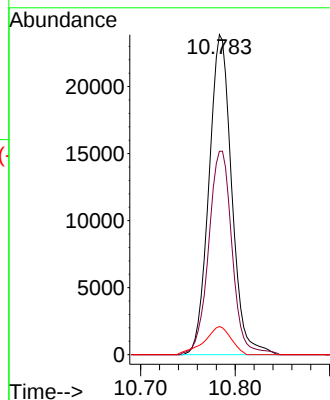
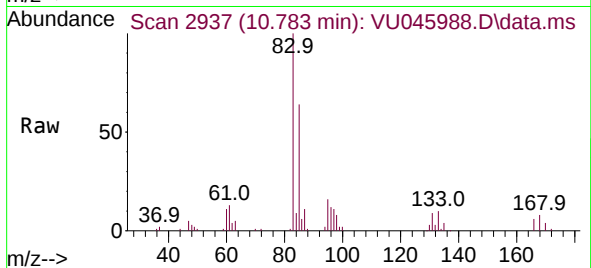
Tgt Ion: 83 Resp: 39877

Ion Ratio Lower Upper

83 100

85 63.6 47.9 89.1

131 8.8 8.1 12.1



#59

Bromoform

Concen: 5.598 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

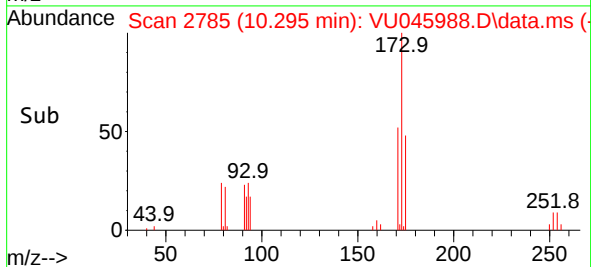
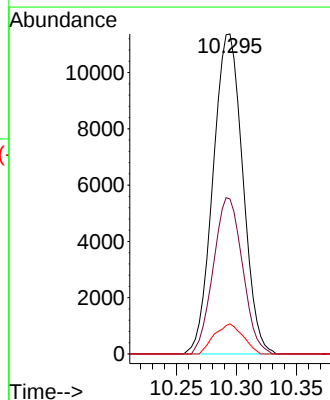
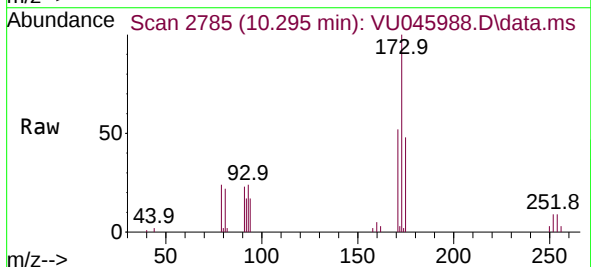
Tgt Ion: 173 Resp: 19558

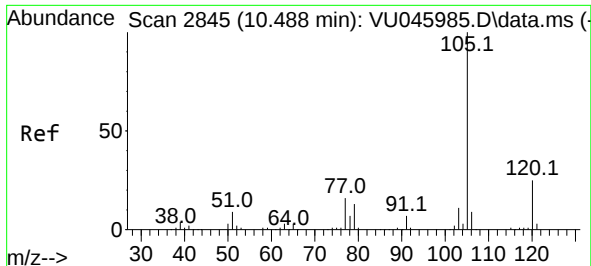
Ion Ratio Lower Upper

173 100

175 48.1 37.8 56.6

254 9.1 7.3 10.9

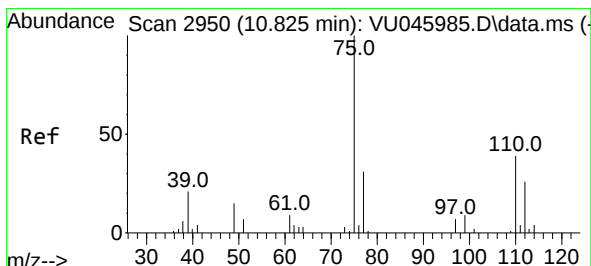
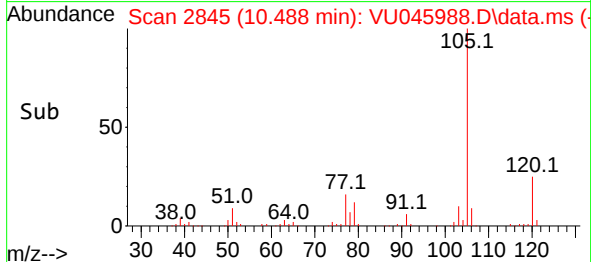
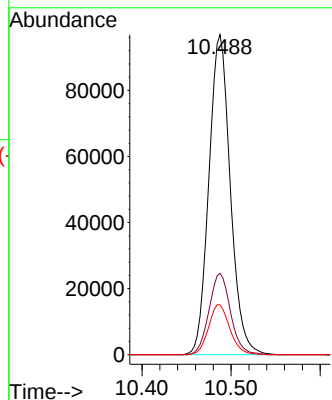
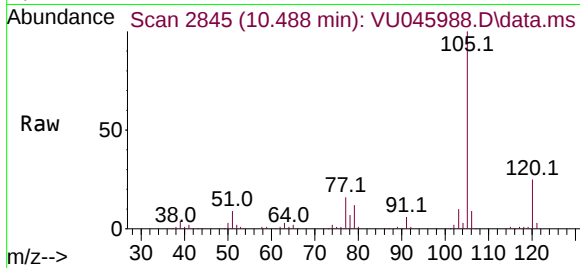




#60
Isopropylbenzene
Concen: 5.220 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

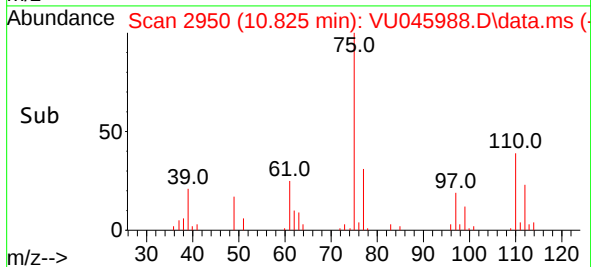
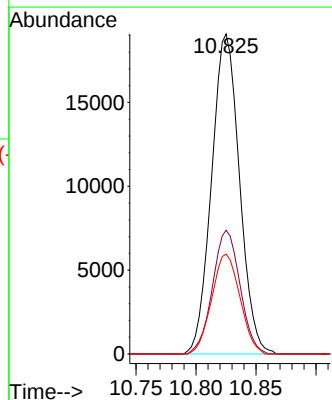
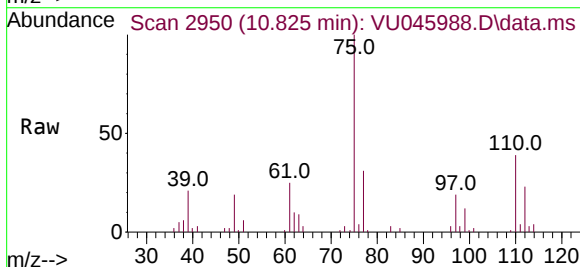
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

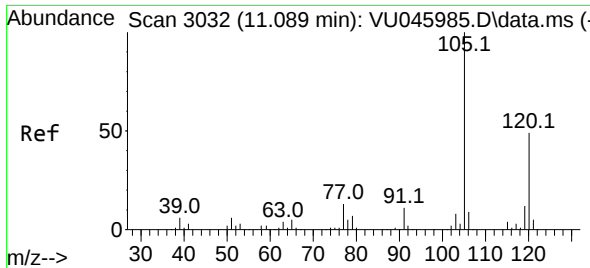
Tgt Ion:105 Resp: 161651
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.637 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion: 75 Resp: 30869
Ion Ratio Lower Upper
75 100
110 38.0 29.9 44.9
77 31.5 25.5 38.3

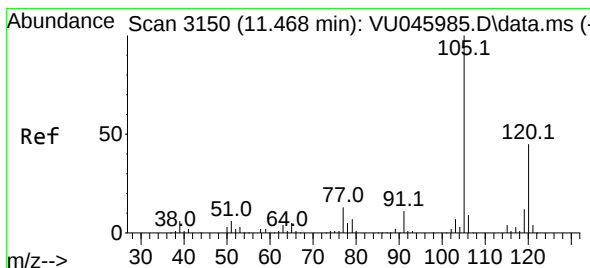
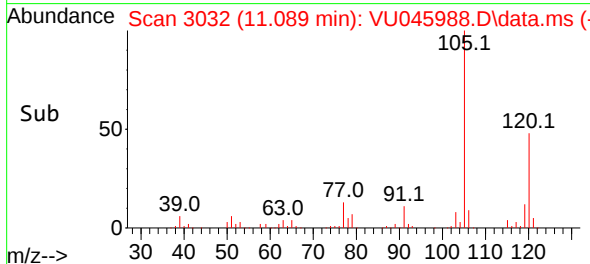
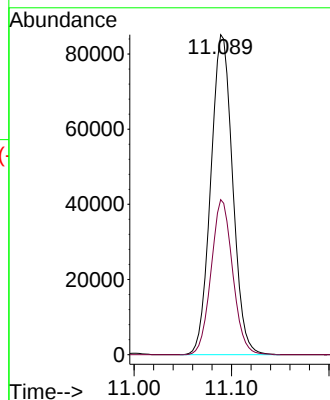
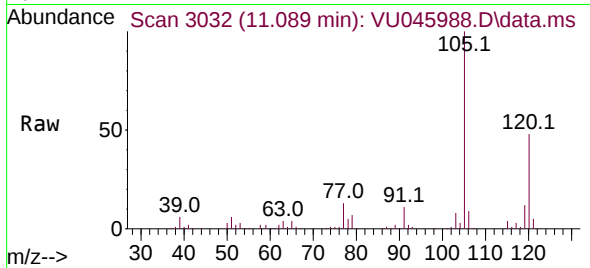




#62
1,3,5-Trimethylbenzene
Concen: 5.245 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

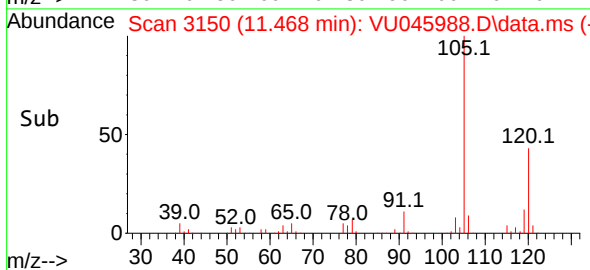
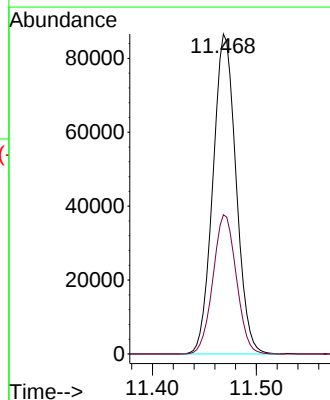
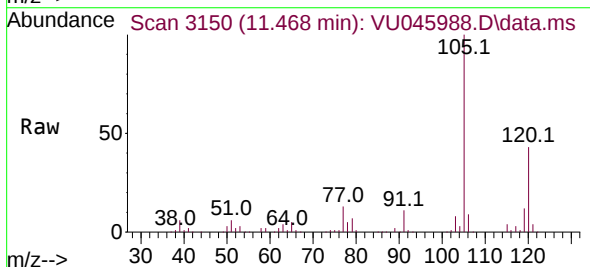
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

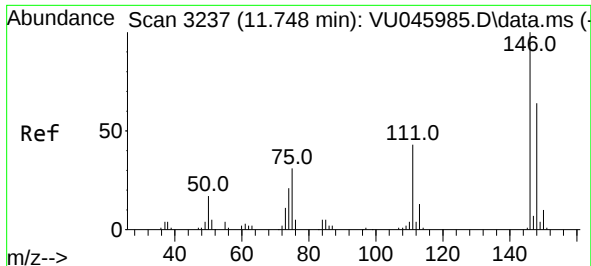
Tgt Ion:105 Resp: 132806
Ion Ratio Lower Upper
105 100
120 47.7 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 5.283 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion:105 Resp: 134021
Ion Ratio Lower Upper
105 100
120 43.9 35.8 53.8

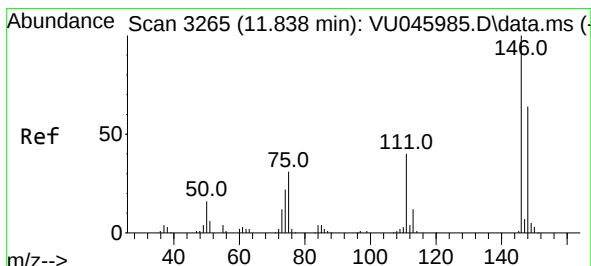
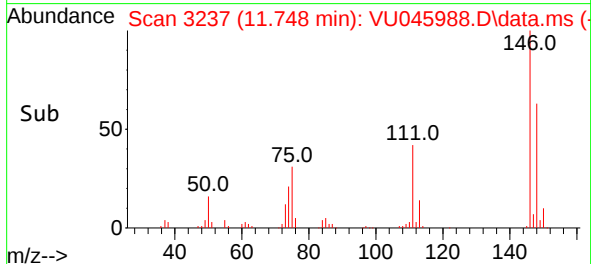
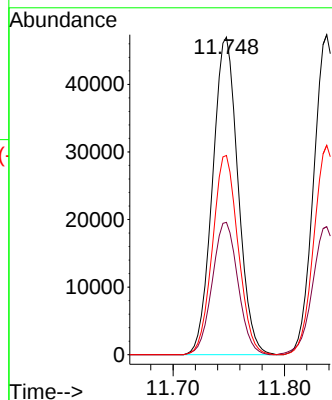
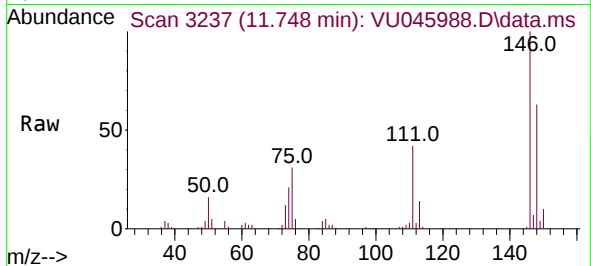




#64
1,3-Dichlorobenzene
Concen: 5.169 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

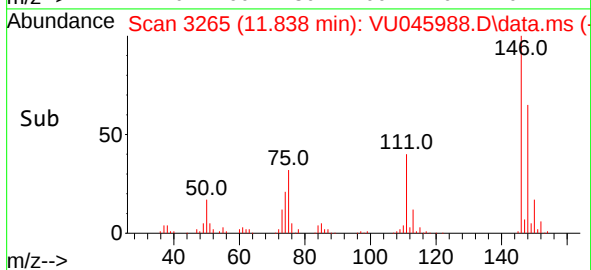
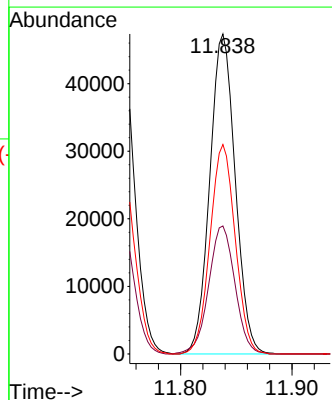
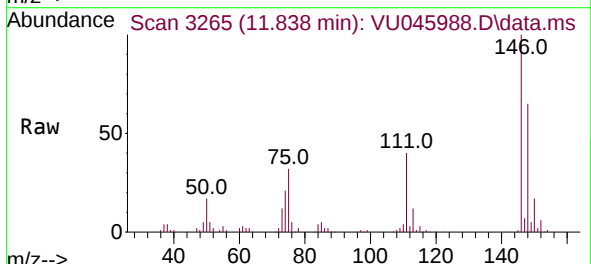
Instrument :
MSVOA_U
ClientSampleId :
H4658MS

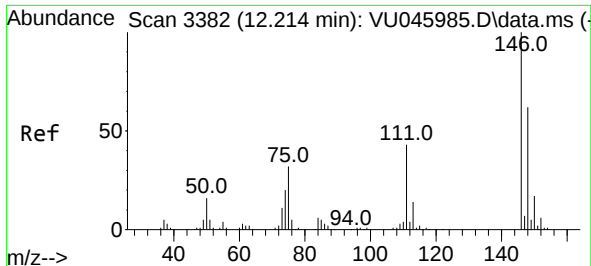
Tgt Ion:146 Resp: 74680
Ion Ratio Lower Upper
146 100
111 41.6 29.9 55.5
148 62.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.123 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion:146 Resp: 75185
Ion Ratio Lower Upper
146 100
111 40.0 28.7 53.3
148 65.5 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.263 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

Instrument :

MSVOA_U

ClientSampleId :

H4658MS

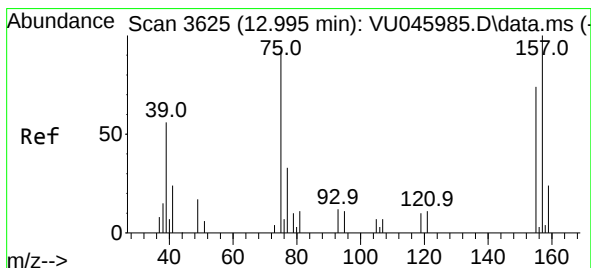
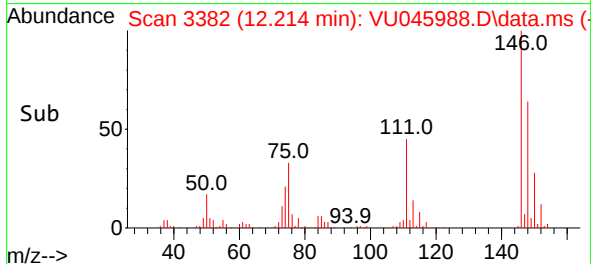
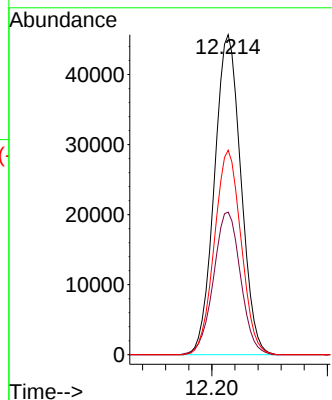
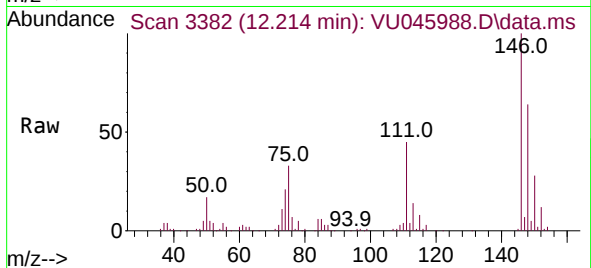
Tgt Ion:146 Resp: 72898

Ion Ratio Lower Upper

146 100

111 44.6 35.4 53.0

148 63.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.038 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU045988.D

Acq: 24 Nov 2021 12:39

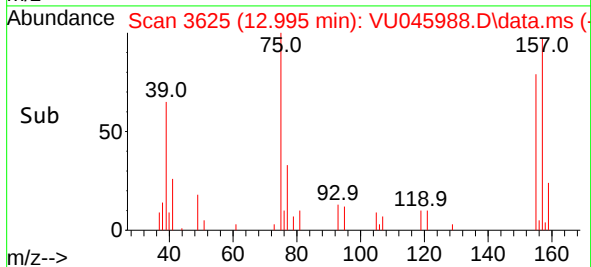
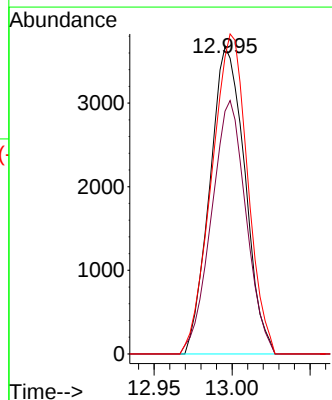
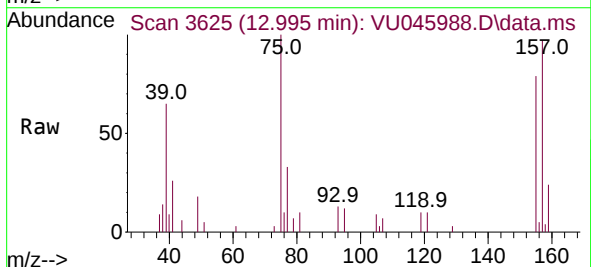
Tgt Ion: 75 Resp: 5739

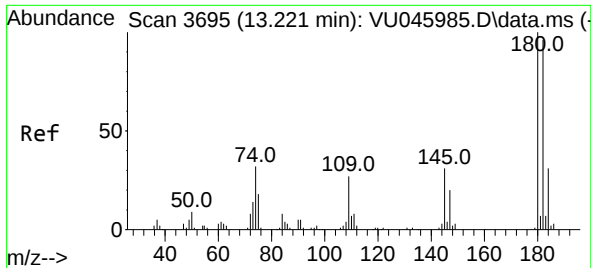
Ion Ratio Lower Upper

75 100

155 79.0 59.2 88.8

157 96.6 76.5 114.7

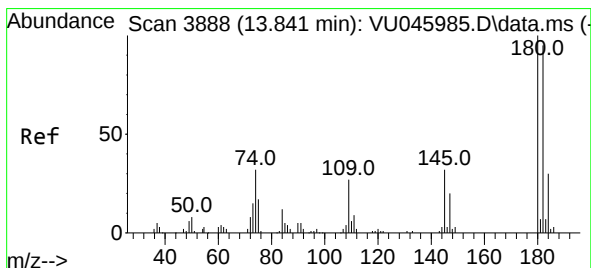
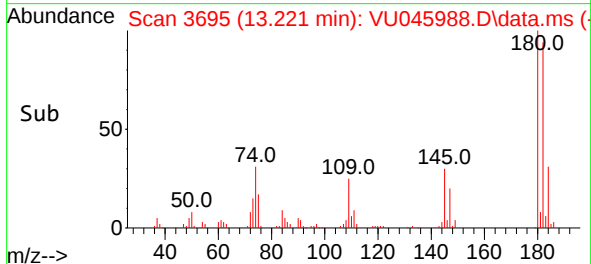
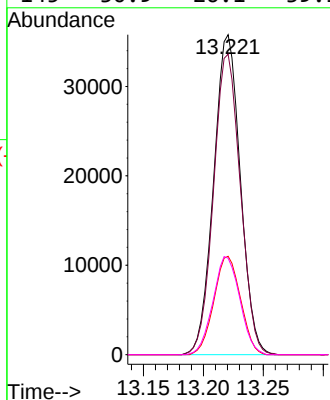
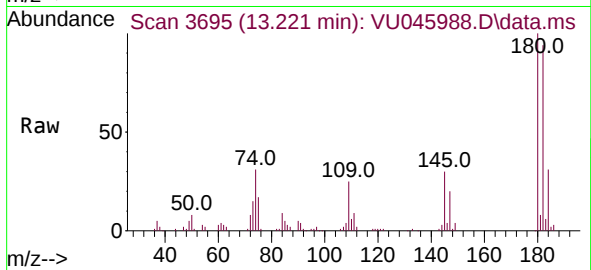




#69
 1,3,5-Trichlorobenzene
 Concen: 5.117 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU045988.D
 Acq: 24 Nov 2021 12:39

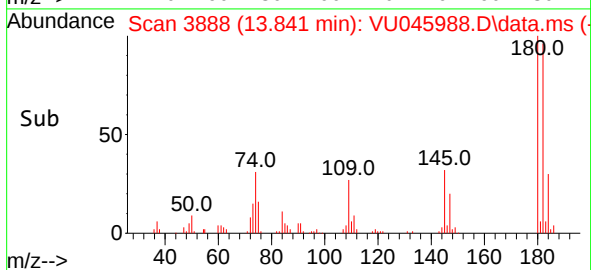
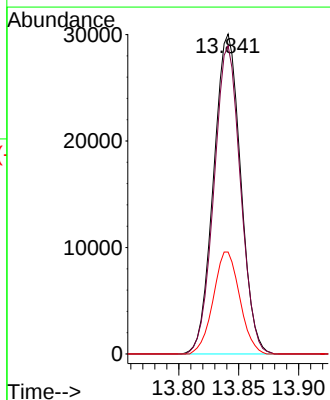
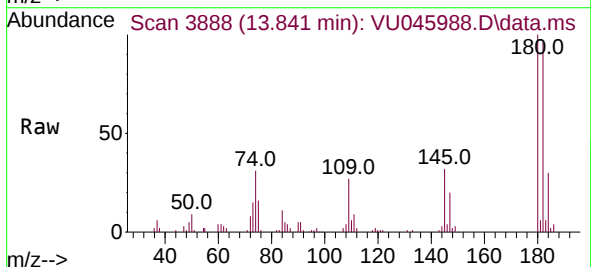
Instrument :
 MSVOA_U
 ClientSampleId :
 H4658MS

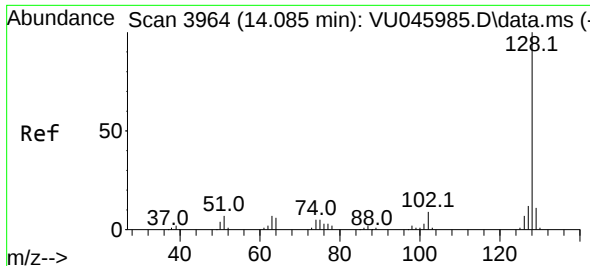
Tgt Ion:180	Resp:	55301
Ion Ratio	Lower	Upper
180	100	
182	94.4	76.1 114.1
184	30.6	25.0 37.4
145	30.9	26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.147 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU045988.D
 Acq: 24 Nov 2021 12:39

Tgt Ion:180	Resp:	47066
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.4 114.6
145	31.2	25.6 38.4

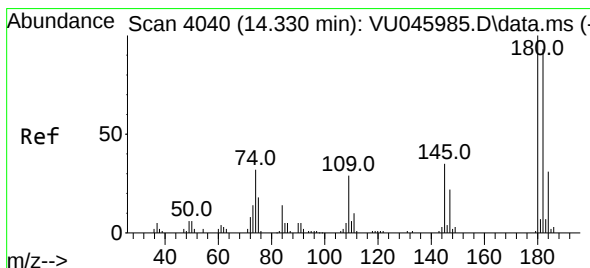
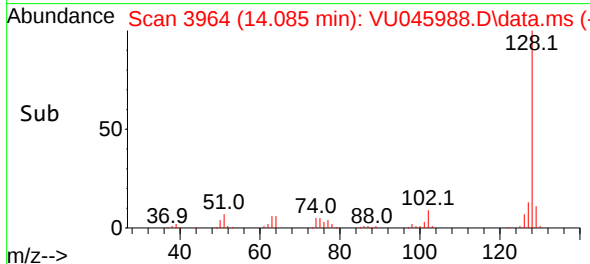
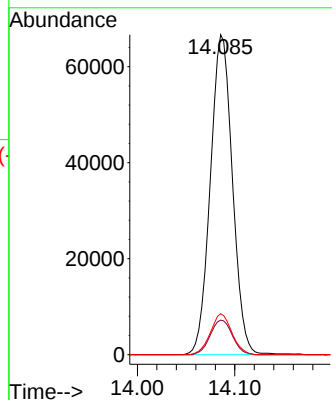
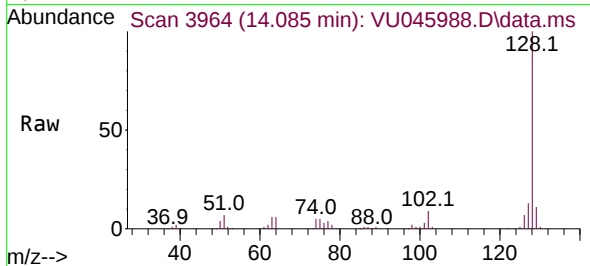




#71
Naphthalene
Concen: 5.583 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :
H4658MS

Tgt Ion:128 Resp: 104890
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.5 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.165 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU045988.D
Acq: 24 Nov 2021 12:39

Tgt Ion:180 Resp: 46994
Ion Ratio Lower Upper
180 100
182 97.7 76.2 114.4
145 35.0 28.4 42.6

