

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
 Data File : VU046586.D
 Acq On : 23 Dec 2021 23:25
 Operator : SY/MD
 Sample : M5170-08MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO4MSD

Quant Time: Dec 24 05:00:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 24 04:54:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	81505	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	78812	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	40996	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	21968	3.422	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.400%
7) Chloroethane-d5	1.919	69	19553	3.868	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.571	65	9711	3.587	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.800%
20) 2-Butanone-d5	4.658	46	88684	47.623	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.240%
24) Chloroform-d	5.066	84	51662	4.392	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.706	65	29490	4.385	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.729	84	89576	4.077	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	6.693	67	28987	4.391	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.899	98	78453	3.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	8.179	79	12871	4.215	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.635	63	91031	50.781	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.560%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32650	4.819	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	33936	4.494	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	64937	5.207	ug/L	98
3) Chloromethane	1.523	50	48155	4.483	ug/L	99
5) Vinyl chloride	1.607	62	49182	4.651	ug/L	100
6) Bromomethane	1.864	94	28006	4.400	ug/L	98
8) Chloroethane	1.941	64	28936	4.661	ug/L	98
9) Trichlorofluoromethane	2.144	101	70382	5.089	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	36782	5.224	ug/L	95
12) 1,1-Dichloroethene	2.584	96	35243	4.916	ug/L #	78
13) Acetone	2.684	43	69530	39.824	ug/L	90
14) Carbon disulfide	2.800	76	115646	4.938	ug/L	99
15) Methyl Acetate	2.967	43	15192	4.308	ug/L	91
16) Methylene chloride	3.051	84	38897	4.459	ug/L	94
17) Methyl tert-butyl Ether	3.369	73	100674	4.814	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	37207	4.865	ug/L	97
19) 1,1-Dichloroethane	3.874	63	66825	4.742	ug/L	100
21) 2-Butanone	4.735	43	115491	43.600	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	45603	5.455	ug/L	95
23) Bromochloromethane	4.980	128	19820	4.763	ug/L	89
25) Chloroform	5.092	83	71588	4.703	ug/L	96

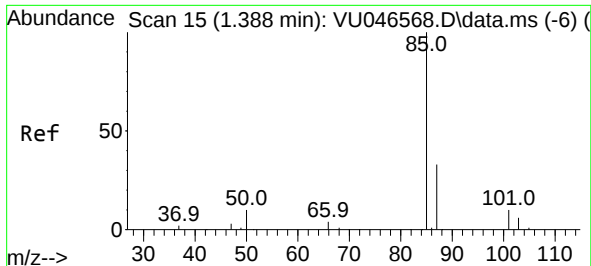
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	50733	4.669	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	65957	5.061	ug/L	98
30) Cyclohexane	5.391	56	56471	5.238	ug/L	94
31) Carbon tetrachloride	5.529	117	55895	5.112	ug/L	99
33) Benzene	5.777	78	172926	5.522	ug/L	100
34) Trichloroethene	6.542	95	46737	5.662	ug/L	98
35) Methylcyclohexane	6.767	83	60775	5.222	ug/L	97
37) 1,2-Dichloropropane	6.793	63	38827	4.861	ug/L	98
38) Bromodichloromethane	7.108	83	53839	4.870	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	58582	4.845	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	292913	48.852	ug/L	95
42) Toluene	7.970	91	196893	6.126	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	54885	4.898	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	31754	4.610	ug/L	97
47) Tetrachloroethene	8.555	164	33706	5.770	ug/L	93
48) 2-Hexanone	8.687	43	216670	48.387	ug/L	97
49) Dibromochloromethane	8.812	129	37735	4.749	ug/L	96
50) 1,2-Dibromoethane	8.925	107	32035	4.818	ug/L	98
51) Chlorobenzene	9.449	112	103644	5.045	ug/L	98
52) Ethylbenzene	9.571	91	184850	5.556	ug/L	99
53) m,p-Xylene	9.693	106	77140	6.052	ug/L	94
54) o-Xylene	10.102	106	70319	5.742	ug/L	96
55) Styrene	10.115	104	116934	5.505	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	44000	4.888	ug/L	95
59) Bromoform	10.291	173	22656	4.783	ug/L	96
60) Isopropylbenzene	10.484	105	179275	5.670	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	32668	4.798	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	152915	5.815	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	168692	6.371	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	81547	5.306	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	82980	5.274	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	82417	5.347	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	8063	5.116	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	63183	5.432	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	55336	5.617	ug/L	99
71) Naphthalene	14.085	128	149479	6.832	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	55892	5.730	ug/L	99

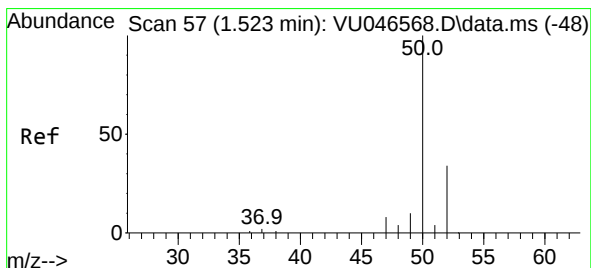
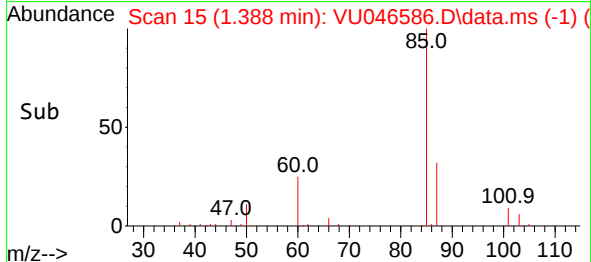
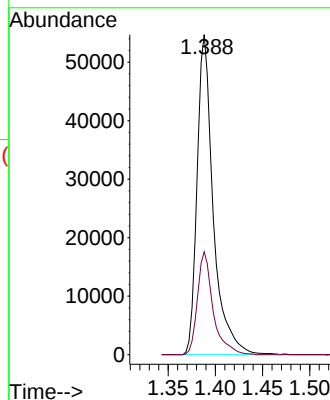
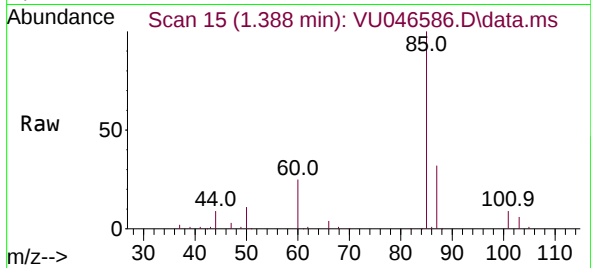
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#2
Dichlorodifluoromethane
Concen: 5.207 ug/L
RT: 1.388 min Scan# 15
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

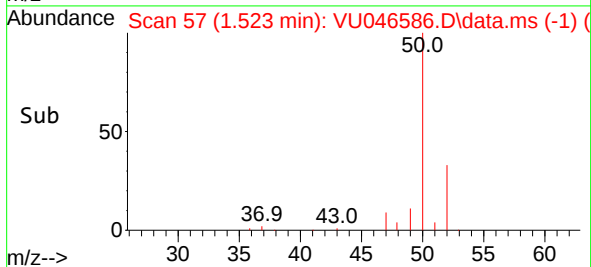
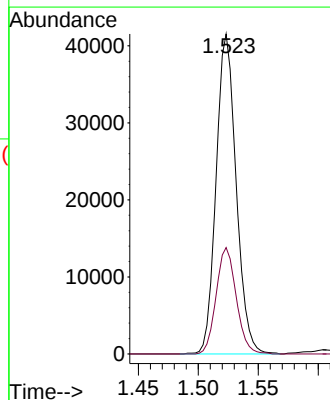
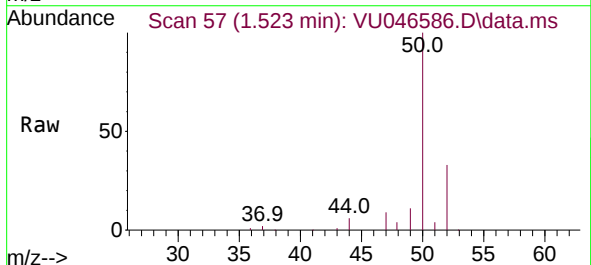
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

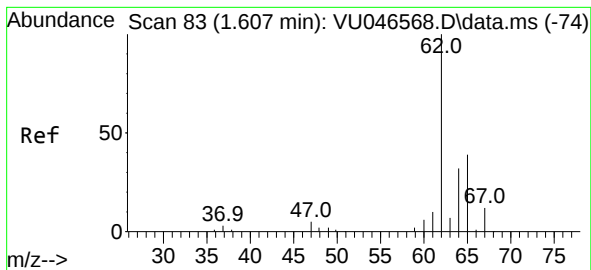
Tgt Ion: 85 Resp: 64937
Ion Ratio Lower Upper
85 100
87 31.1 25.8 38.6



#3
Chloromethane
Concen: 4.483 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 50 Resp: 48155
Ion Ratio Lower Upper
50 100
52 33.2 23.0 42.8





#5

Vinyl chloride

Concen: 4.651 ug/L

RT: 1.607 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

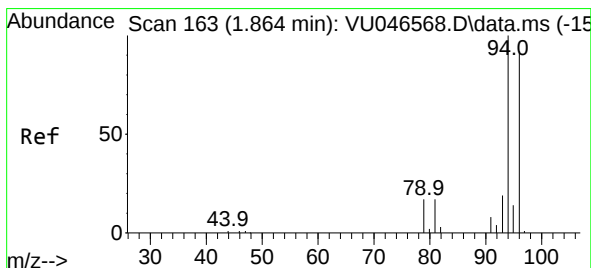
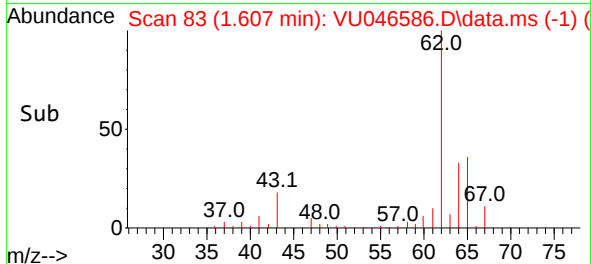
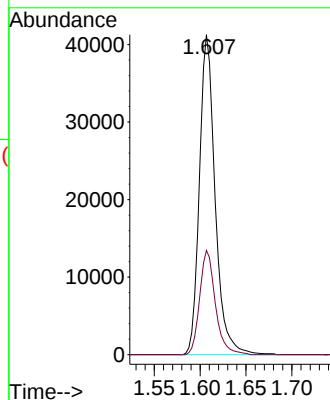
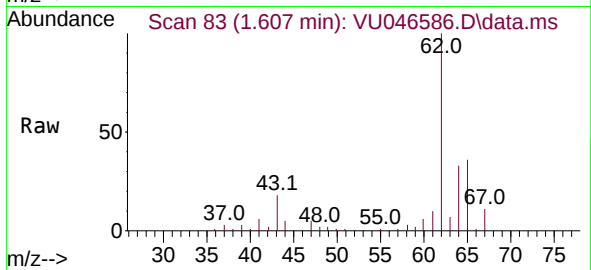
H0AO4MSD

Tgt Ion: 62 Resp: 49182

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



#6

Bromomethane

Concen: 4.400 ug/L

RT: 1.864 min Scan# 163

Delta R.T. -0.000 min

Lab File: VU046586.D

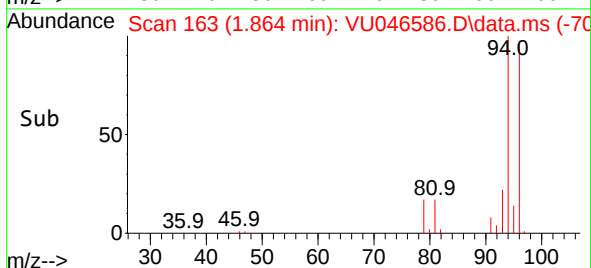
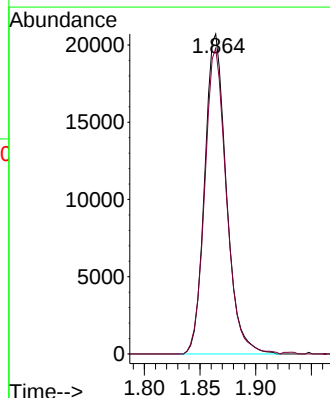
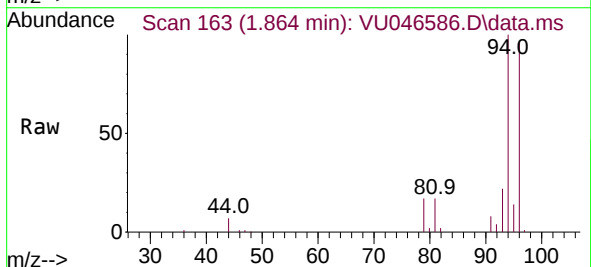
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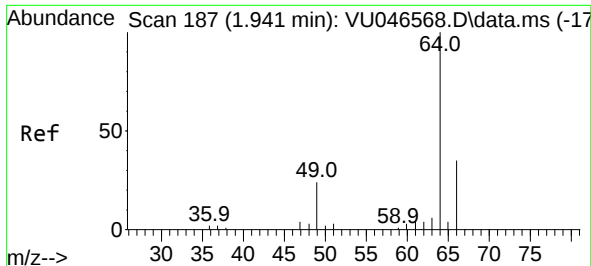
Tgt Ion: 94 Resp: 28006

Ion Ratio Lower Upper

94 100

96 95.5 65.5 121.6

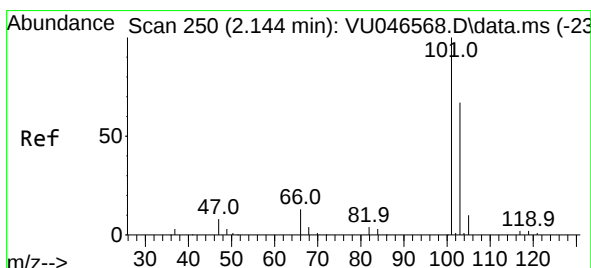
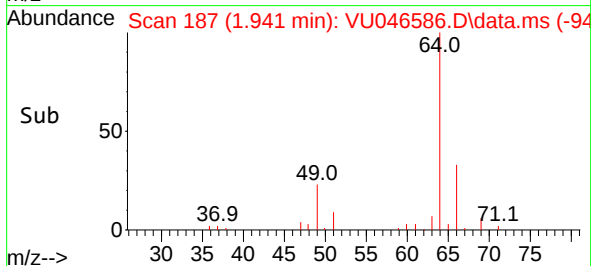
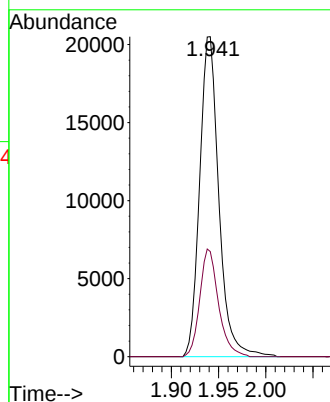
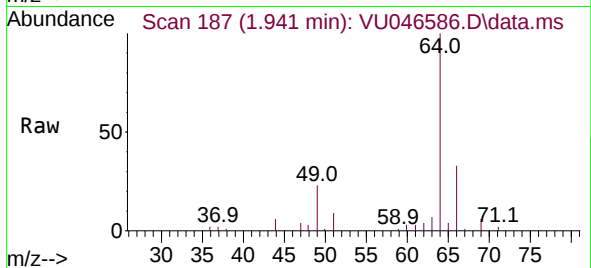




#8
Chloroethane
Concen: 4.661 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

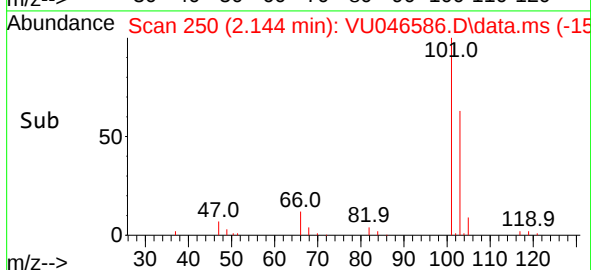
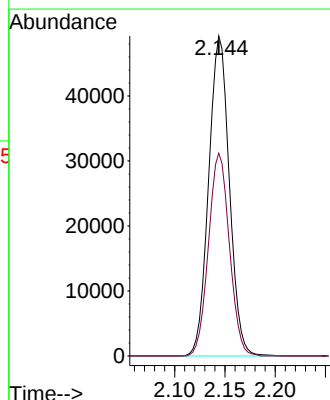
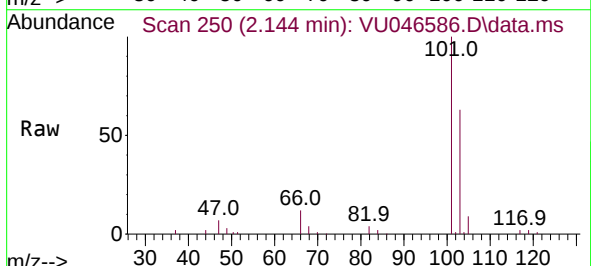
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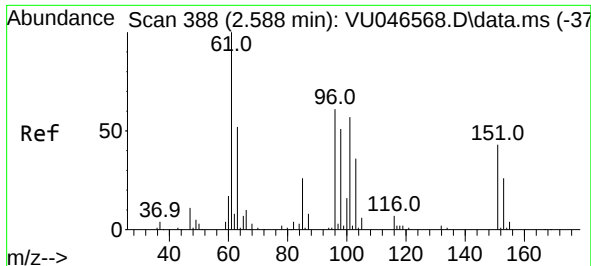
Tgt Ion: 64 Resp: 28936
Ion Ratio Lower Upper
64 100
66 32.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.089 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion:101 Resp: 70382
Ion Ratio Lower Upper
101 100
103 64.0 51.5 77.3

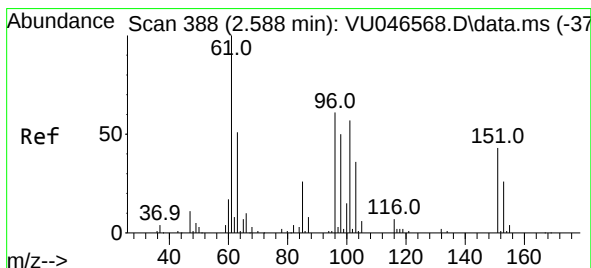
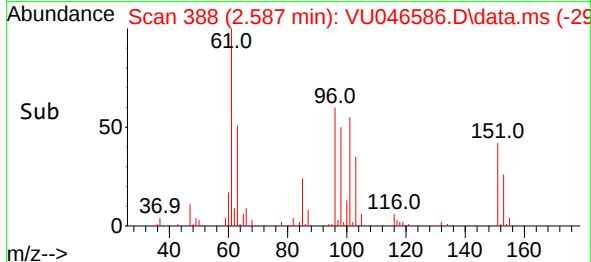
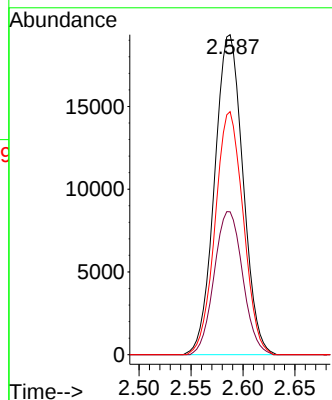
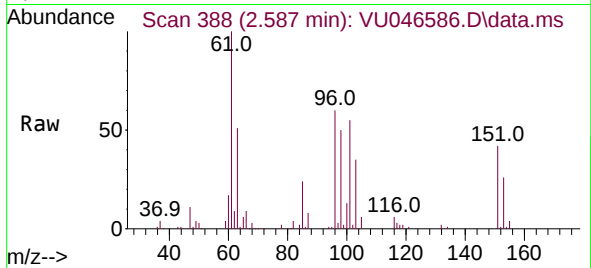




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.224 ug/L
RT: 2.587 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

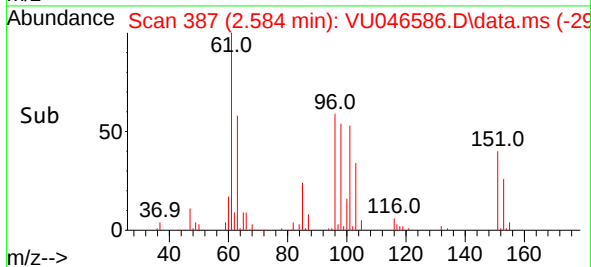
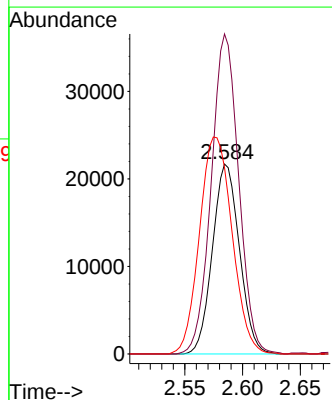
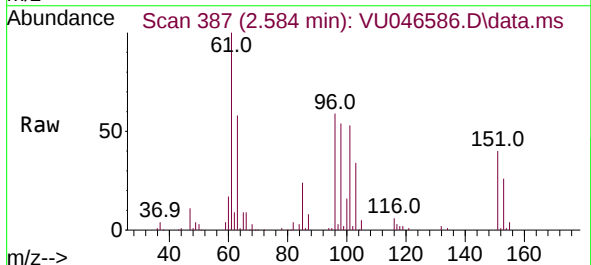
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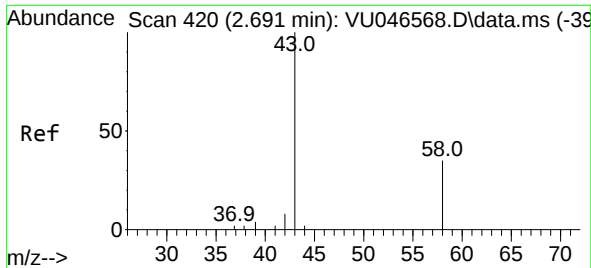
Tgt Ion:101 Resp: 36782
Ion Ratio Lower Upper
101 100
85 44.8 34.6 51.8
151 75.3 56.1 84.1



#12
1,1-Dichloroethene
Concen: 4.916 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 96 Resp: 35243
Ion Ratio Lower Upper
96 100
61 168.5 124.7 231.5
63 98.2 105.2 195.4#





#13

Acetone

Concen: 39.824 ug/L

RT: 2.684 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

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MSVOA_U

ClientSampleId :

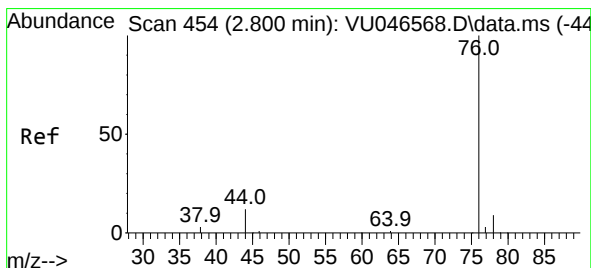
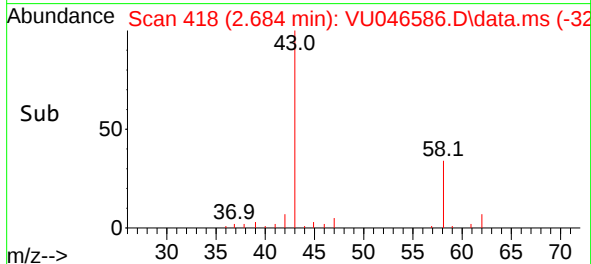
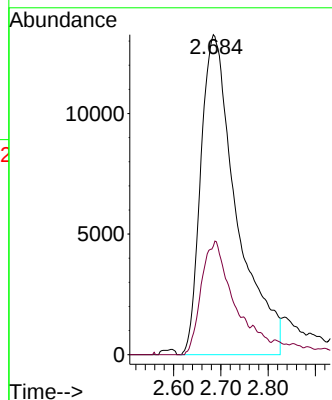
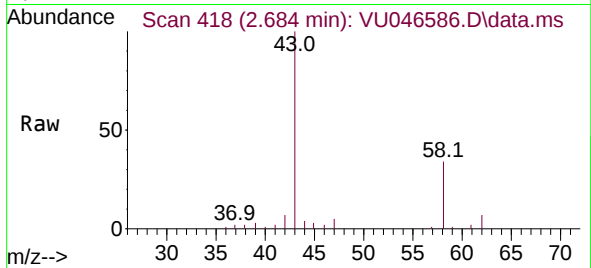
H0AO4MSD

Tgt Ion: 43 Resp: 69530

Ion Ratio Lower Upper

43 100

58 29.9 0.0 71.6



#14

Carbon disulfide

Concen: 4.938 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046586.D

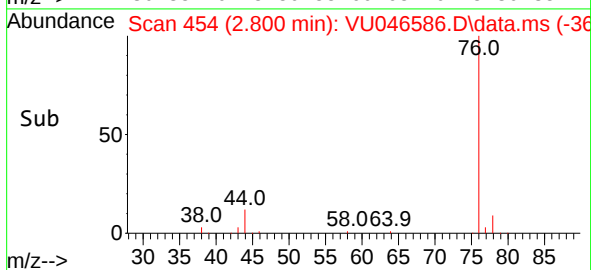
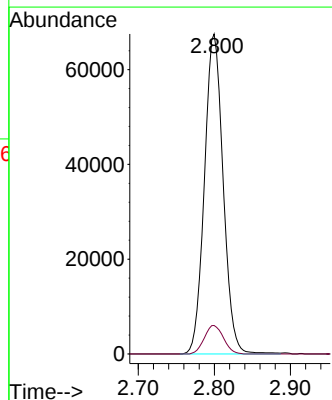
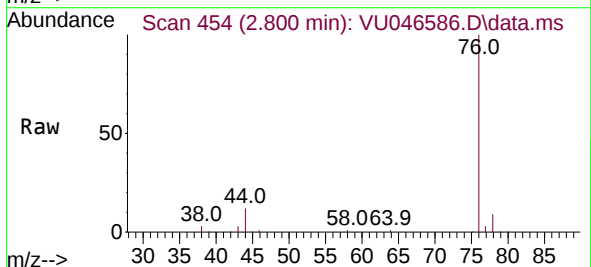
Acq: 23 Dec 2021 23:25

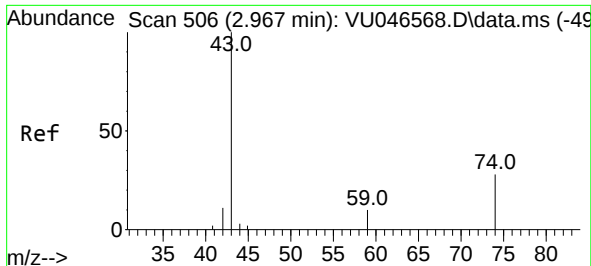
Tgt Ion: 76 Resp: 115646

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

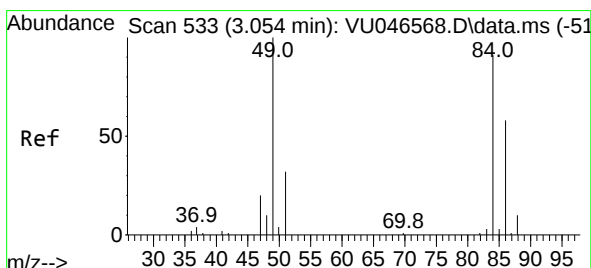
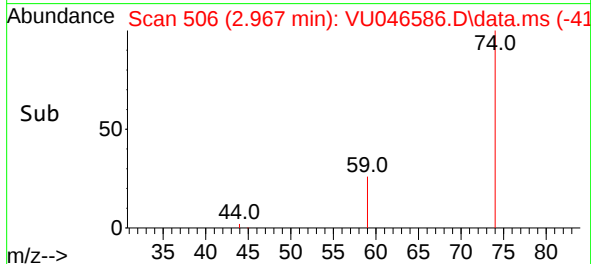
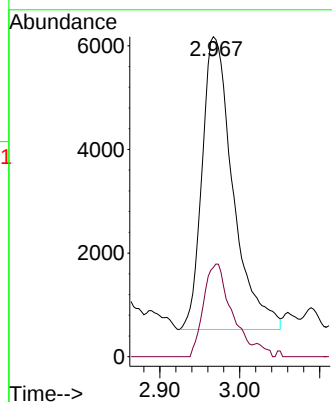
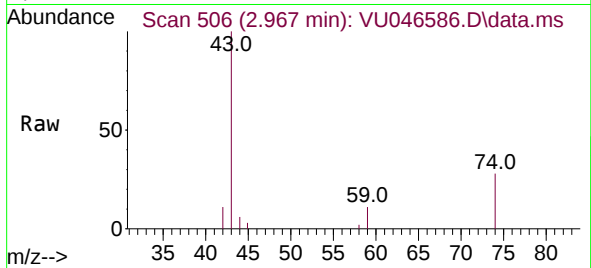




#15
Methyl Acetate
Concen: 4.308 ug/L
RT: 2.967 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

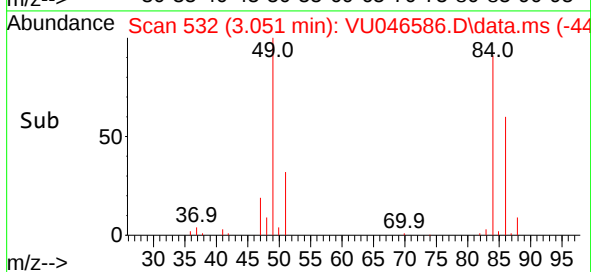
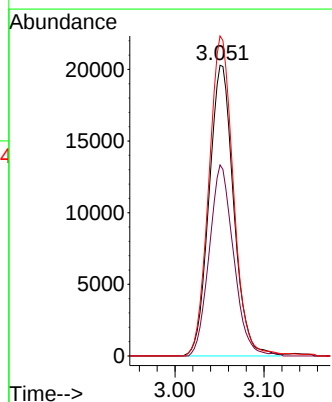
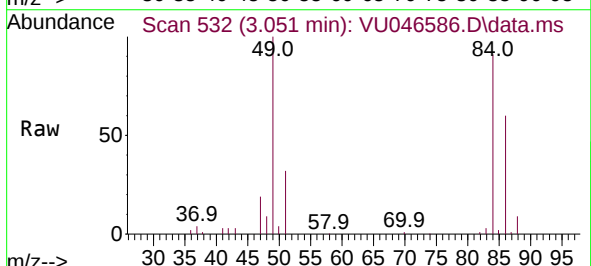
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

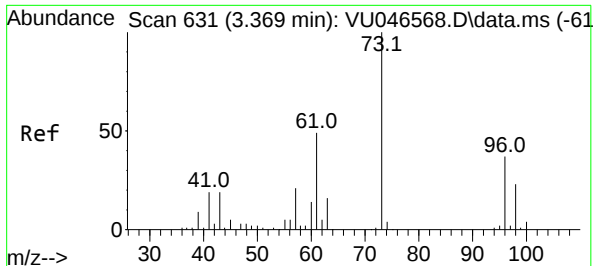
Tgt Ion: 43 Resp: 15192
Ion Ratio Lower Upper
43 100
74 28.2 19.1 28.7



#16
Methylene chloride
Concen: 4.459 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 84 Resp: 38897
Ion Ratio Lower Upper
84 100
86 65.7 45.8 85.0
49 110.1 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 4.814 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MSD

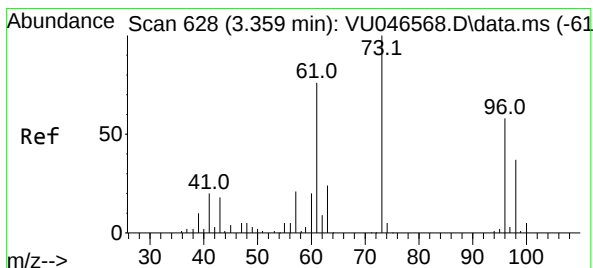
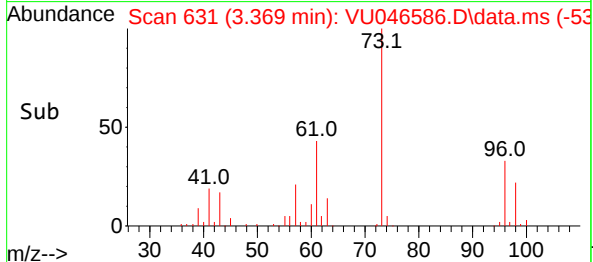
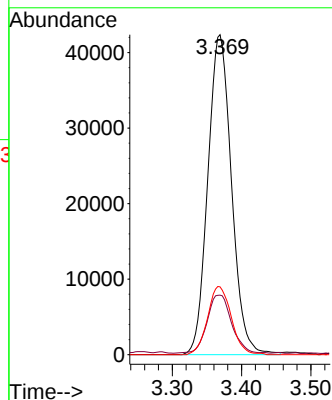
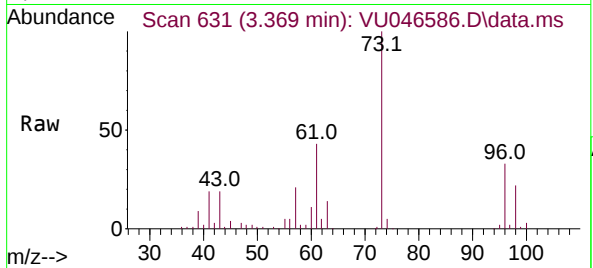
Tgt Ion: 73 Resp: 100674

Ion Ratio Lower Upper

73 100

43 18.7 14.8 22.2

57 21.4 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 4.865 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

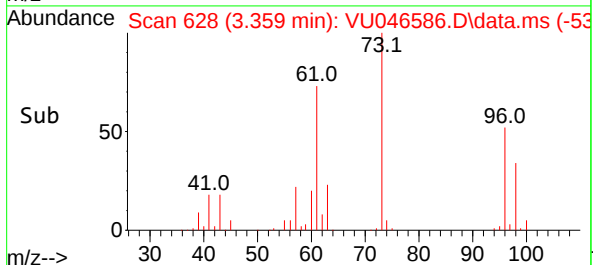
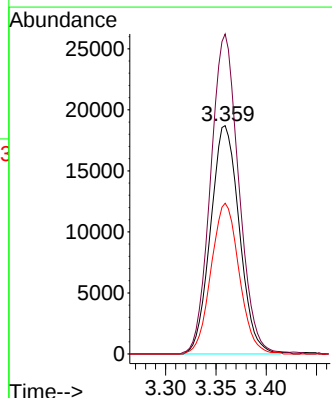
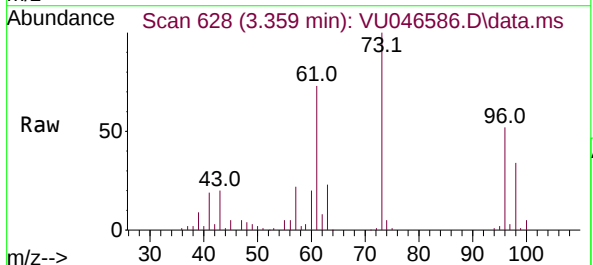
Tgt Ion: 96 Resp: 37207

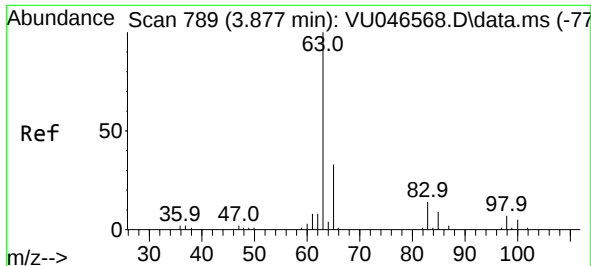
Ion Ratio Lower Upper

96 100

61 140.1 100.8 187.2

98 66.0 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.742 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MSD

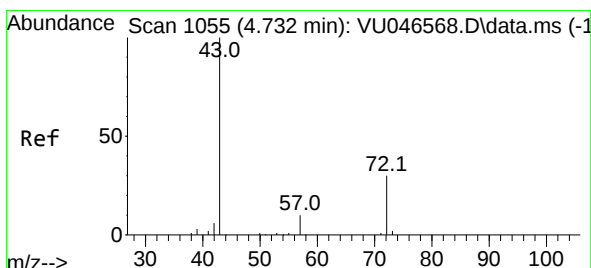
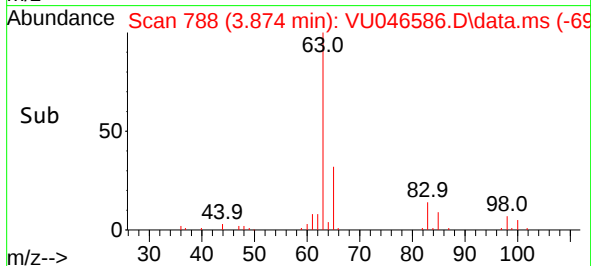
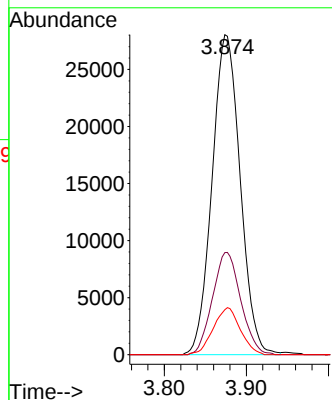
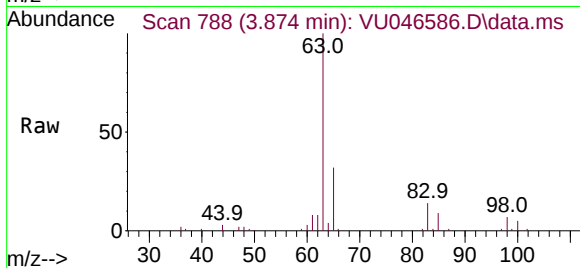
Tgt Ion: 63 Resp: 66825

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

83 14.1 9.6 17.8



#21

2-Butanone

Concen: 43.600 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VU046586.D

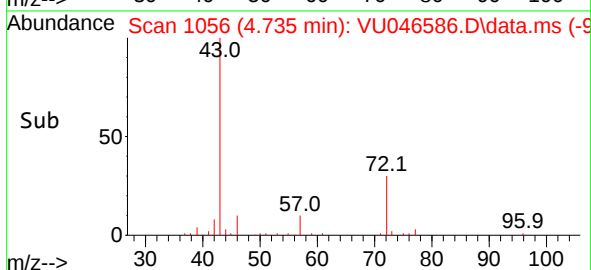
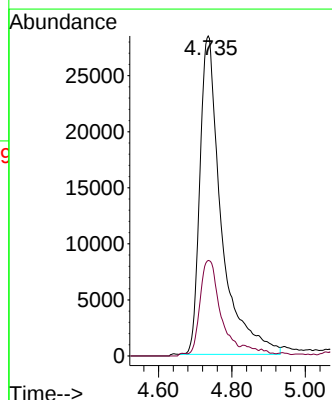
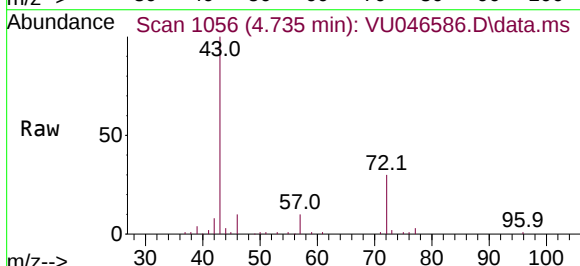
Acq: 23 Dec 2021 23:25

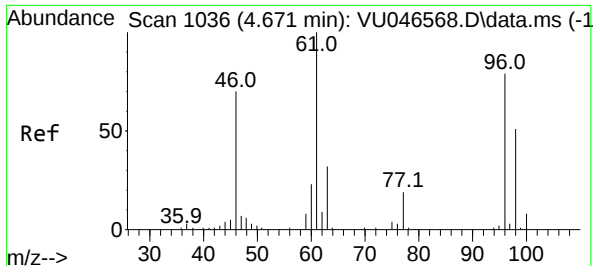
Tgt Ion: 43 Resp: 115491

Ion Ratio Lower Upper

43 100

72 27.8 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.455 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MSD

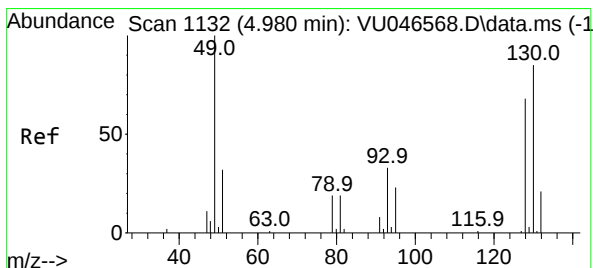
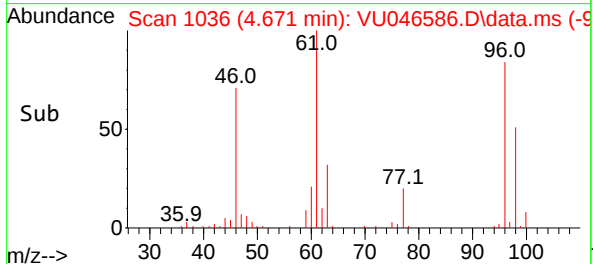
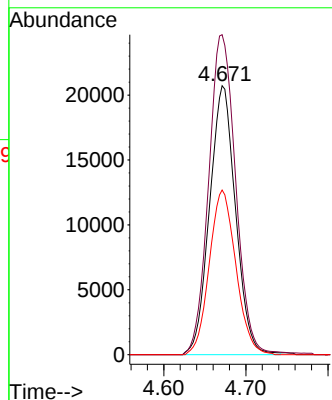
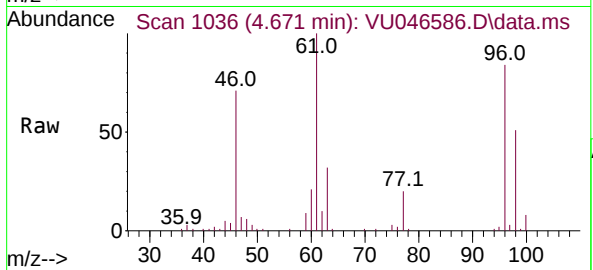
Tgt Ion: 96 Resp: 45603

Ion Ratio Lower Upper

96 100

61 119.0 88.5 164.3

98 61.2 44.4 82.5



#23

Bromochloromethane

Concen: 4.763 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Tgt Ion: 128 Resp: 19820

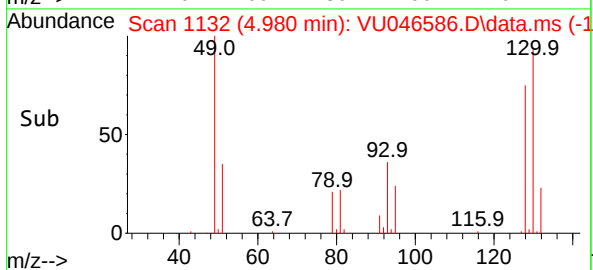
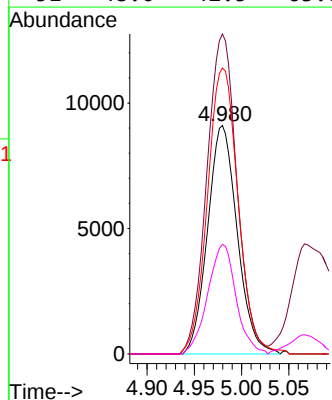
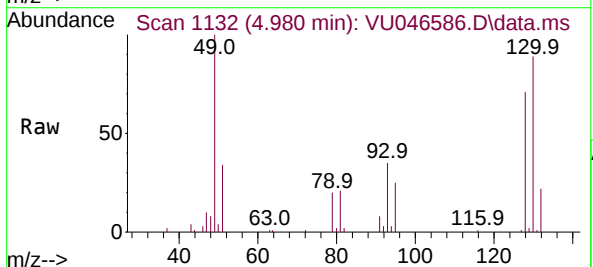
Ion Ratio Lower Upper

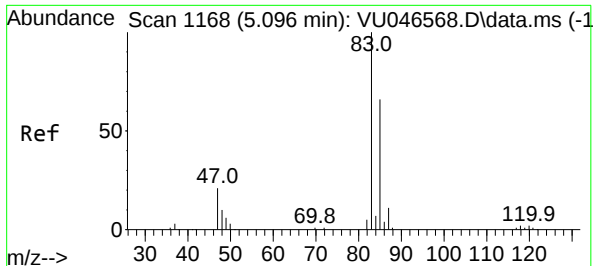
128 100

49 140.1 117.0 217.2

130 125.1 88.2 163.8

51 48.0 42.5 63.7





#25

Chloroform

Concen: 4.703 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

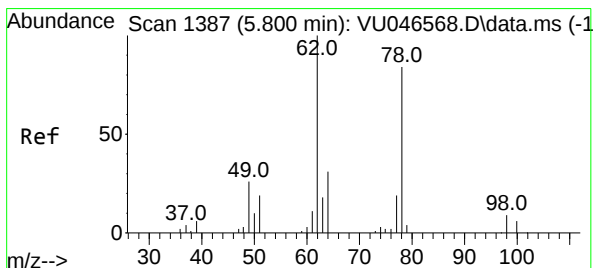
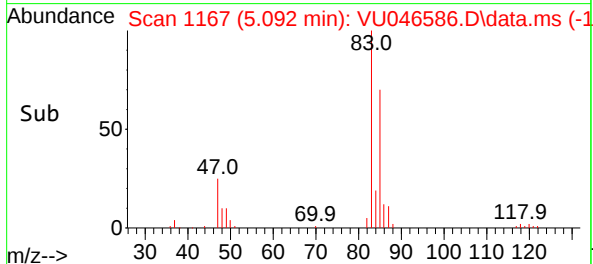
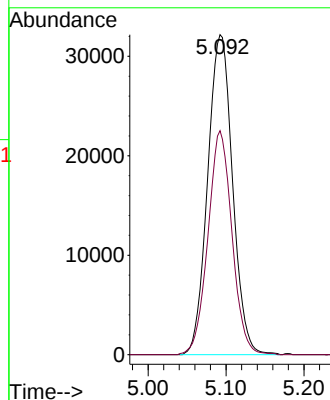
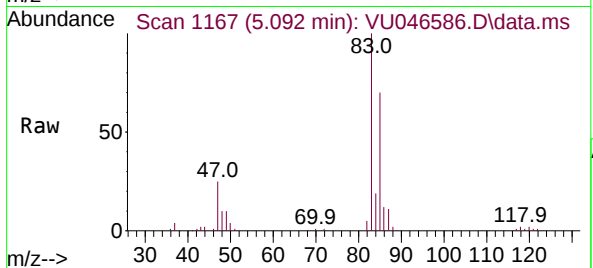
H0AO4MSD

Tgt Ion: 83 Resp: 71588

Ion Ratio Lower Upper

83 100

85 70.0 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.669 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046586.D

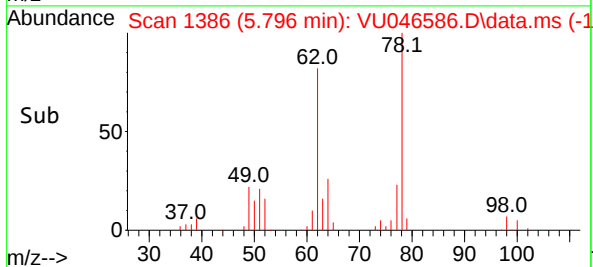
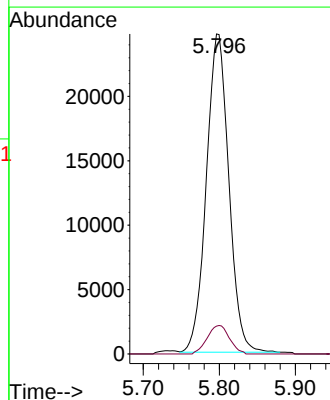
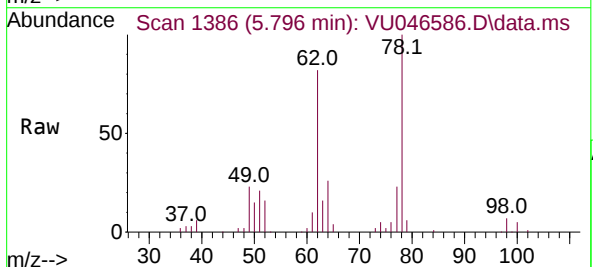
Acq: 23 Dec 2021 23:25

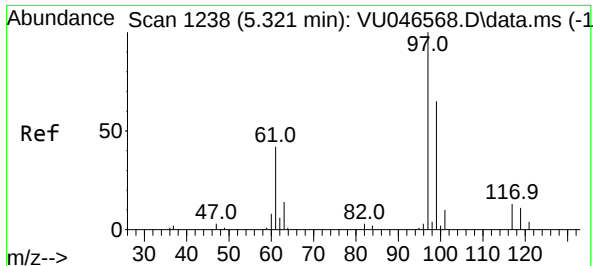
Tgt Ion: 62 Resp: 50733

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.8

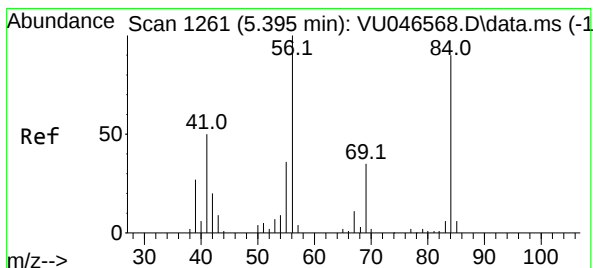
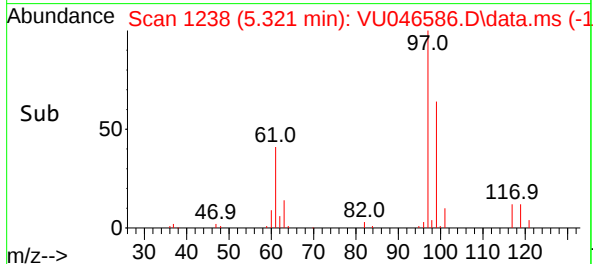
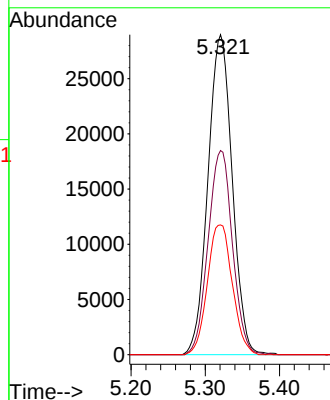
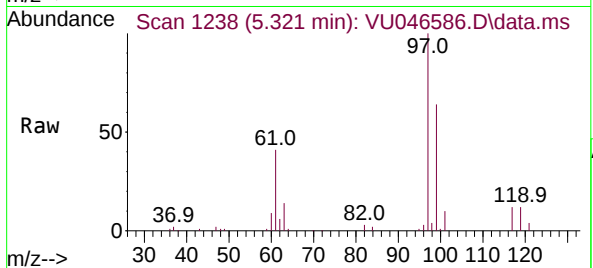




#29
1,1,1-Trichloroethane
Concen: 5.061 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

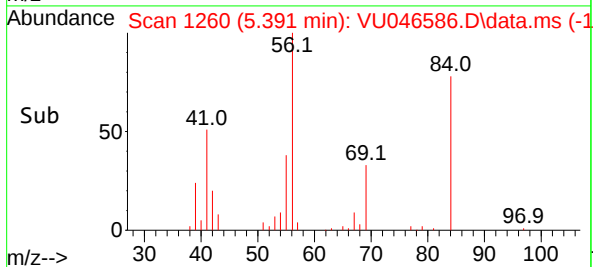
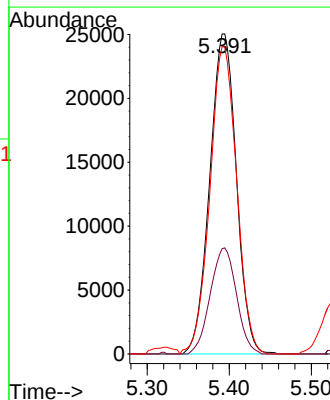
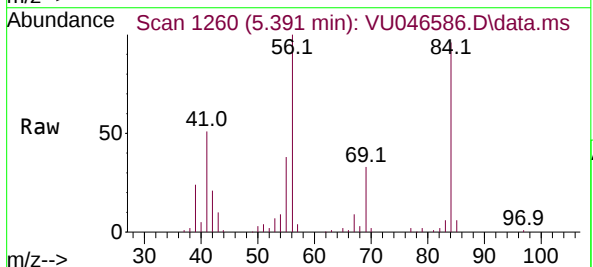
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

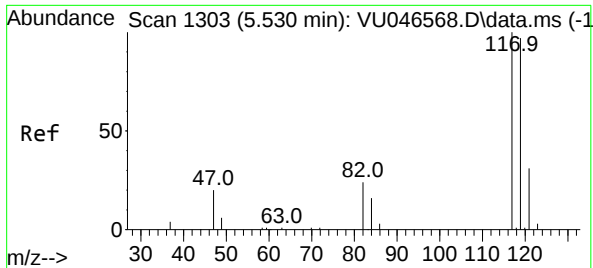
Tgt Ion:	97	Resp:	65957
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	41.6	36.1	54.1



#30
Cyclohexane
Concen: 5.238 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion:	56	Resp:	56471
Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.7	37.1
84	96.4	71.8	107.6

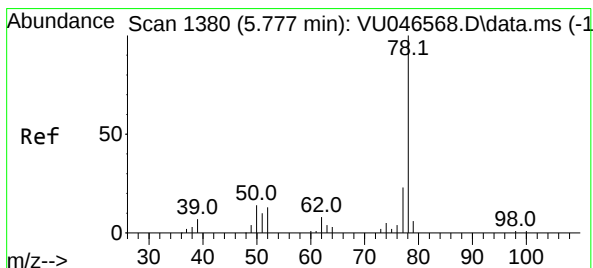
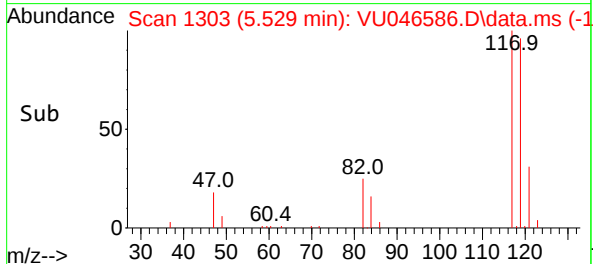
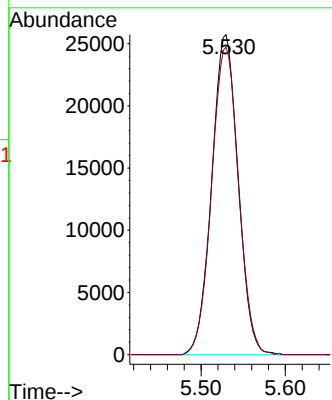
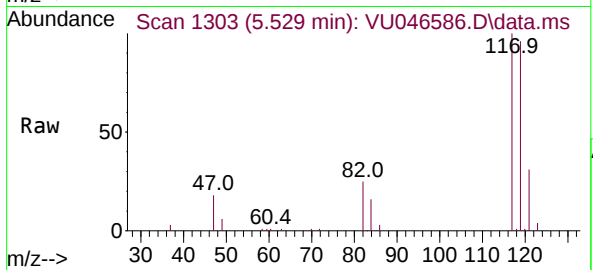




#31
Carbon tetrachloride
Concen: 5.112 ug/L
RT: 5.529 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

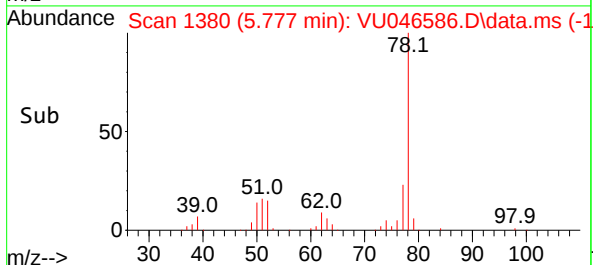
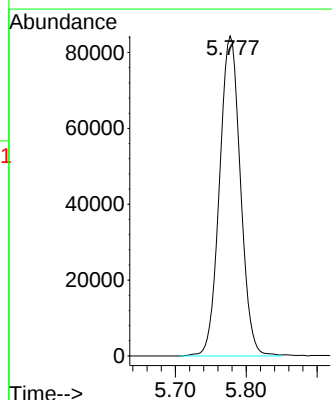
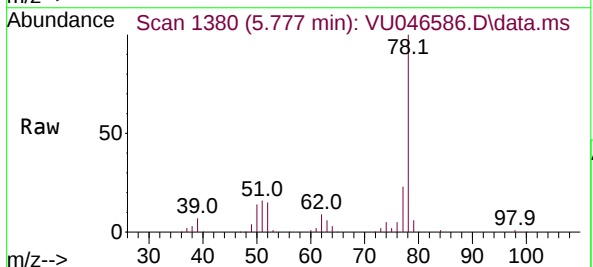
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

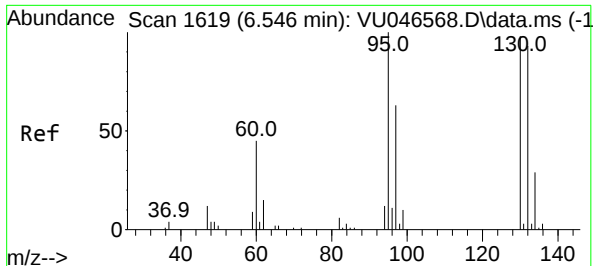
Tgt Ion:117 Resp: 55895
Ion Ratio Lower Upper
117 100
119 98.0 77.5 116.3



#33
Benzene
Concen: 5.522 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 78 Resp: 172926

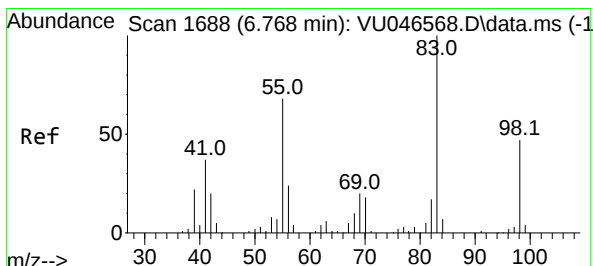
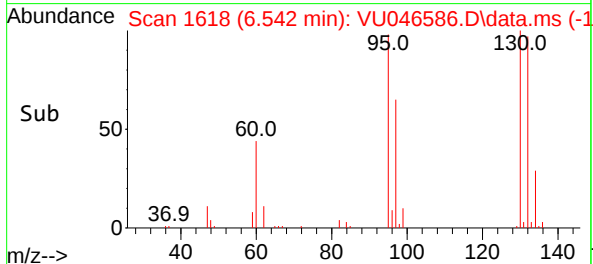
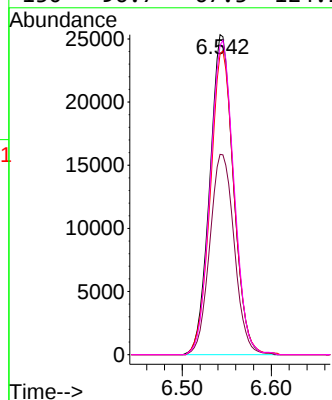
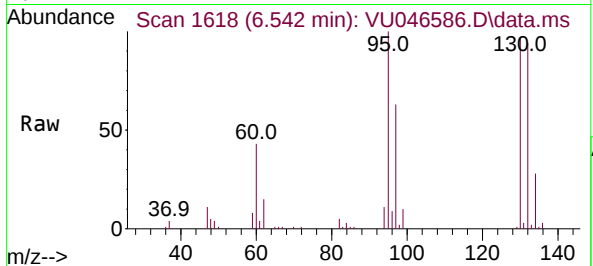




#34
Trichloroethene
Concen: 5.662 ug/L
RT: 6.542 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

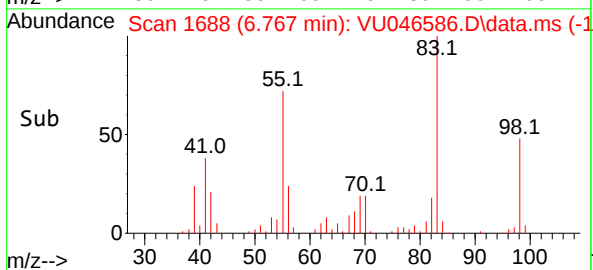
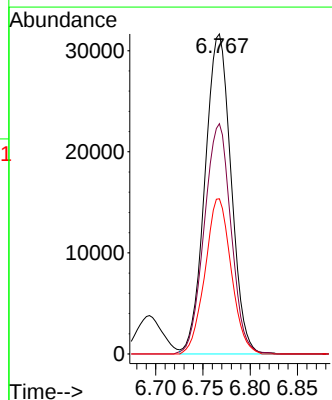
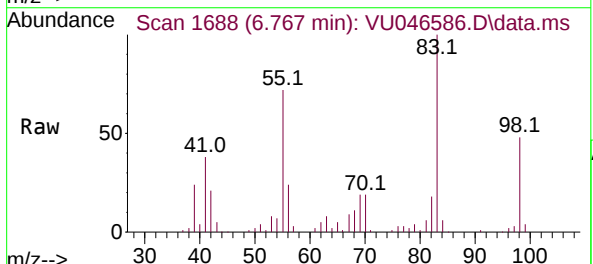
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

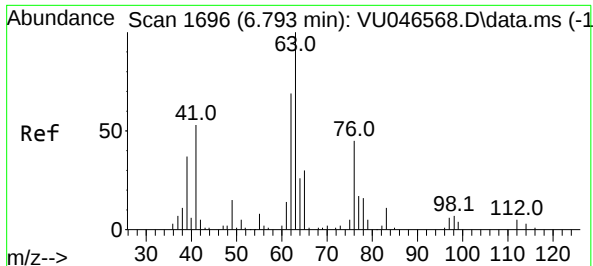
Tgt Ion: 95 Resp: 46737
Ion Ratio Lower Upper
95 100
97 62.6 46.5 86.5
132 93.9 65.1 120.9
130 96.7 67.3 124.9



#35
Methylcyclohexane
Concen: 5.222 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 83 Resp: 60775
Ion Ratio Lower Upper
83 100
55 73.8 61.9 92.9
98 48.6 39.0 58.6





#37

1,2-Dichloropropane

Concen: 4.861 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

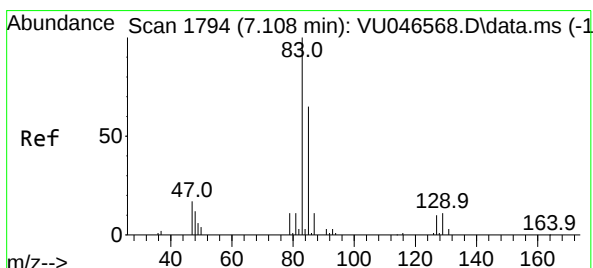
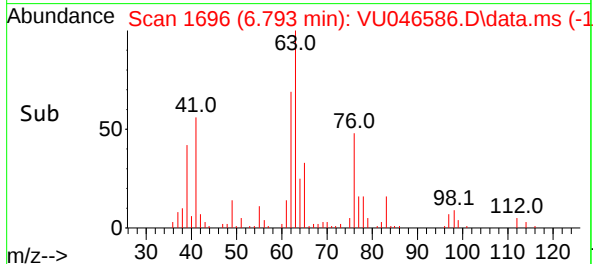
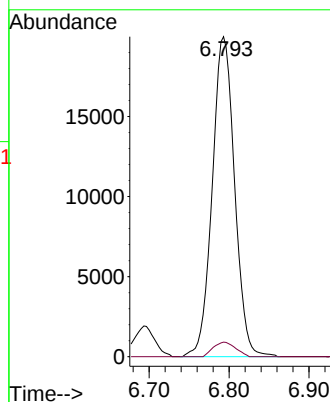
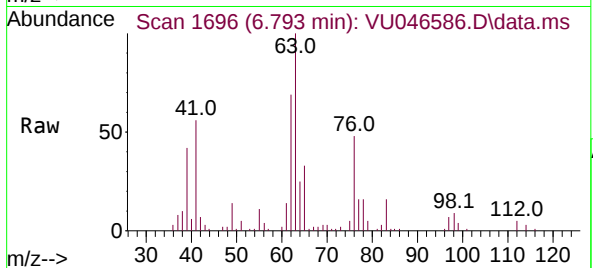
H0AO4MSD

Tgt Ion: 63 Resp: 38827

Ion Ratio Lower Upper

63 100

112 4.5 3.2 4.8



#38

Bromodichloromethane

Concen: 4.870 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

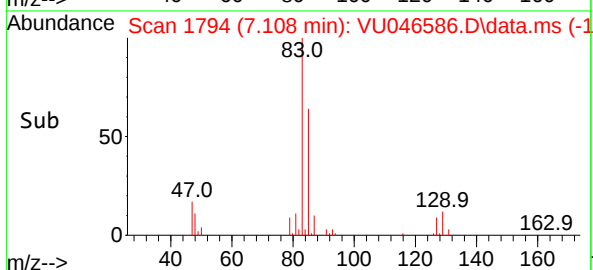
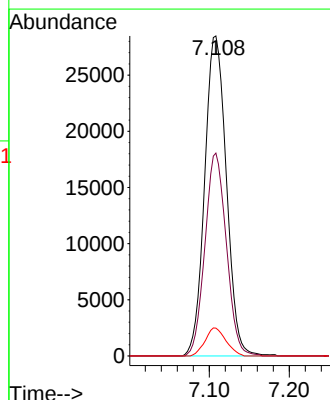
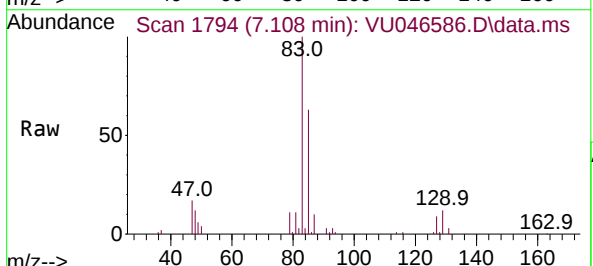
Tgt Ion: 83 Resp: 53839

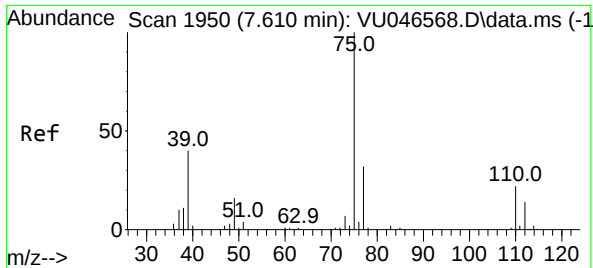
Ion Ratio Lower Upper

83 100

85 63.4 44.0 81.8

127 8.7 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.845 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

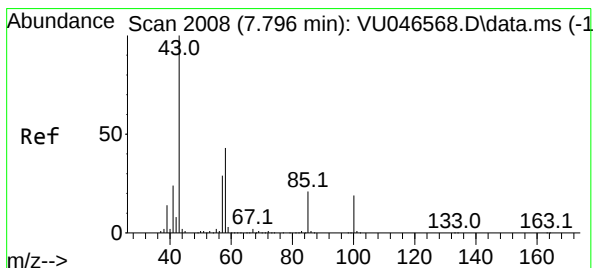
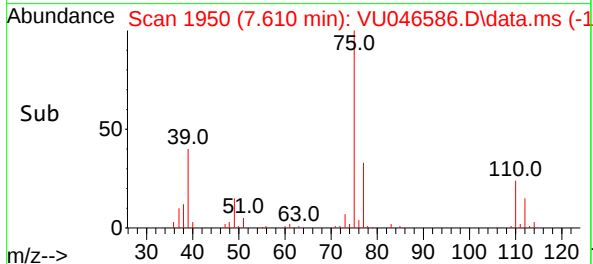
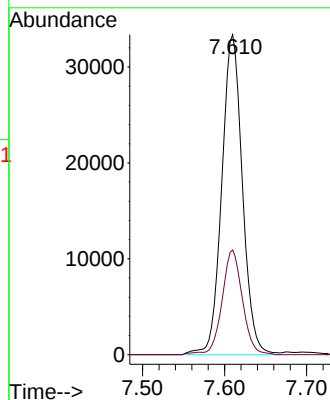
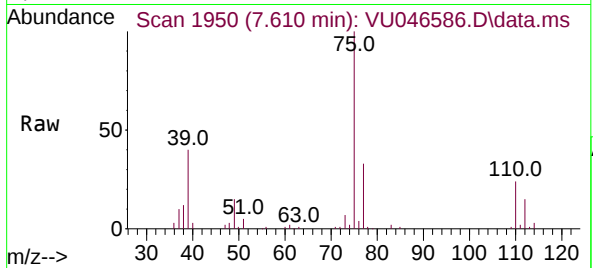
H0AO4MSD

Tgt Ion: 75 Resp: 58582

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 48.852 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

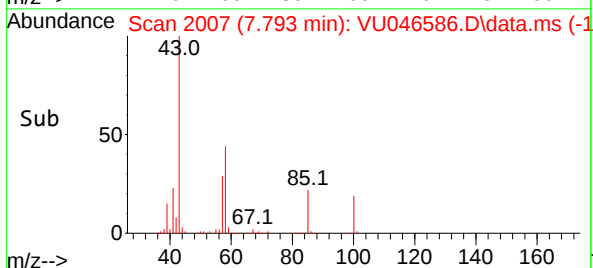
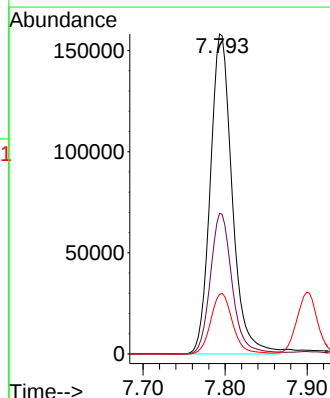
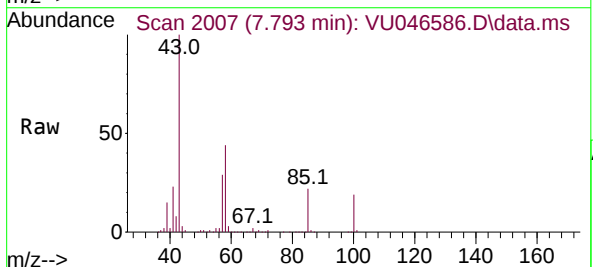
Tgt Ion: 43 Resp: 292913

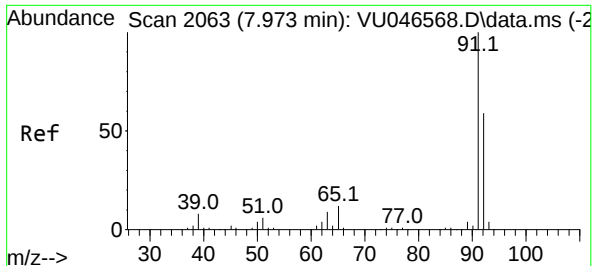
Ion Ratio Lower Upper

43 100

58 44.0 33.1 49.7

100 19.0 13.2 19.8





#42

Toluene

Concen: 6.126 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

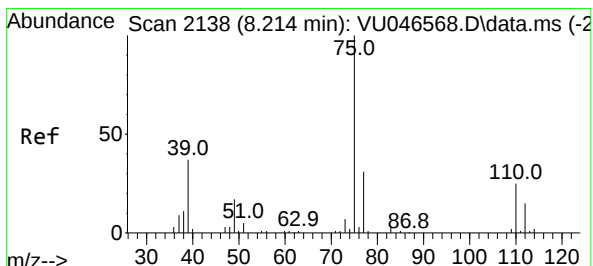
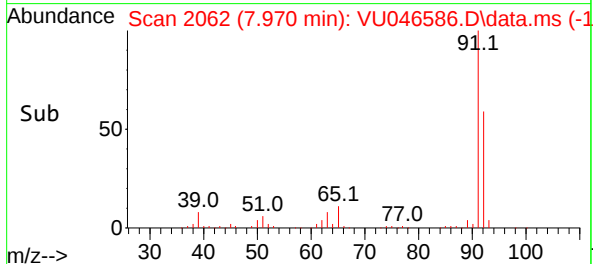
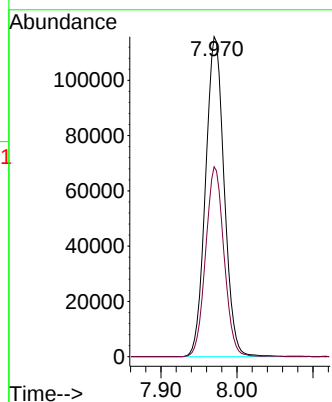
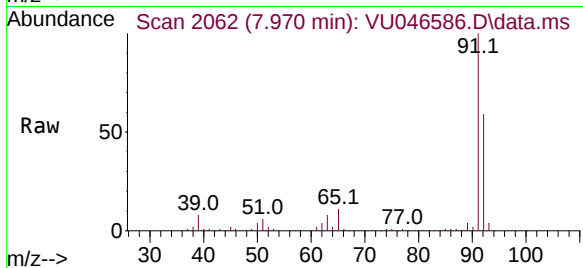
H0AO4MSD

Tgt Ion: 91 Resp: 196893

Ion Ratio Lower Upper

91 100

92 59.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.898 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU046586.D

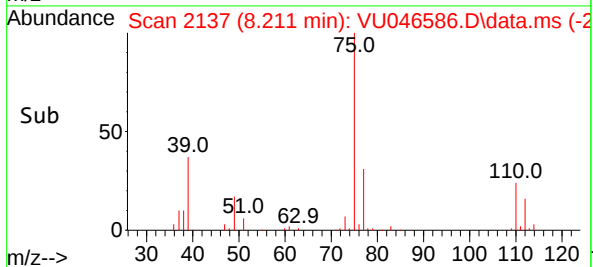
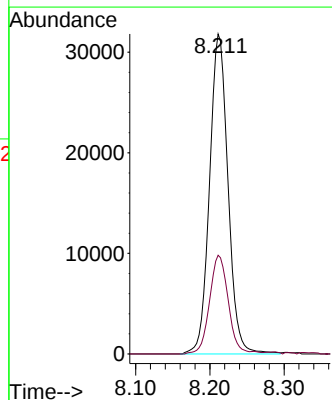
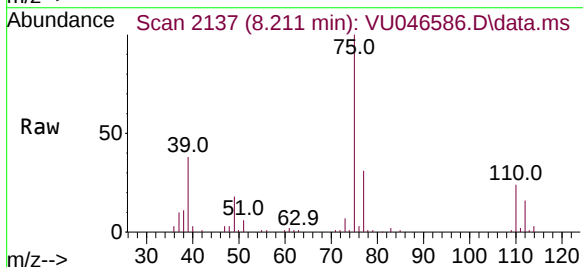
Acq: 23 Dec 2021 23:25

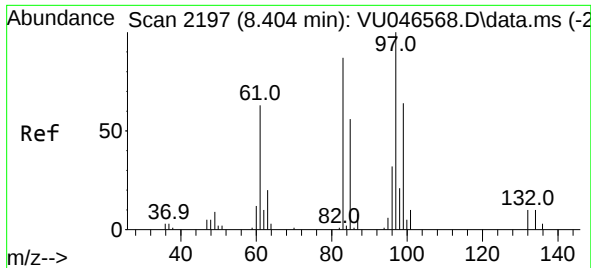
Tgt Ion: 75 Resp: 54885

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.3



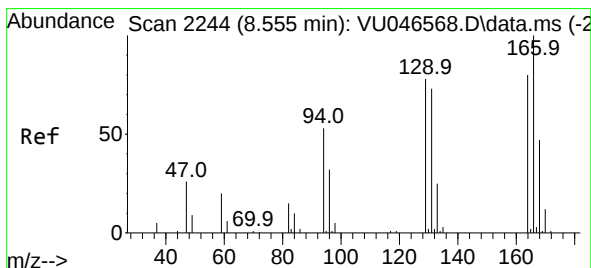
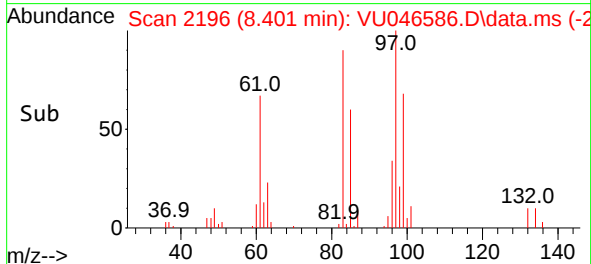
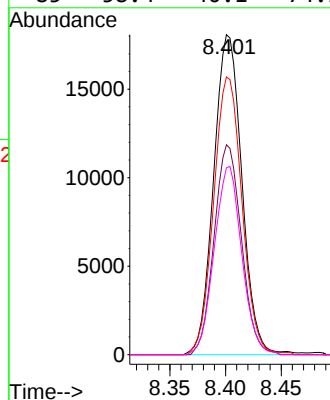
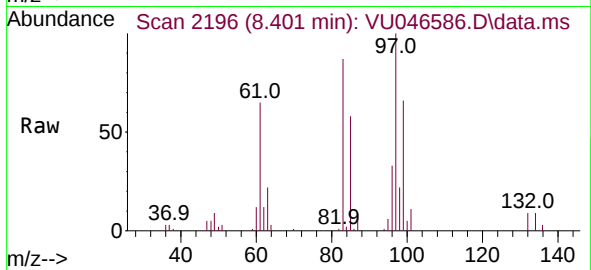


#45
1,1,2-Trichloroethane
Concen: 4.610 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

Tgt Ion: 97 Resp: 31754

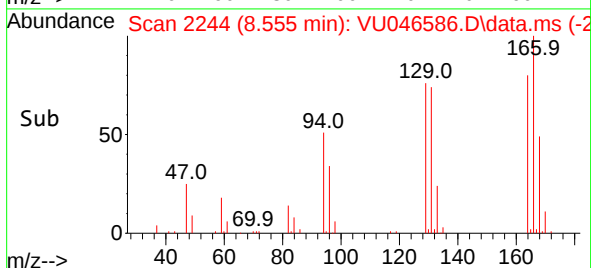
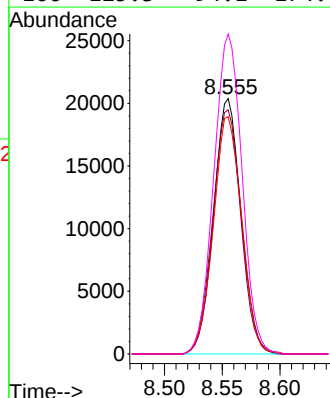
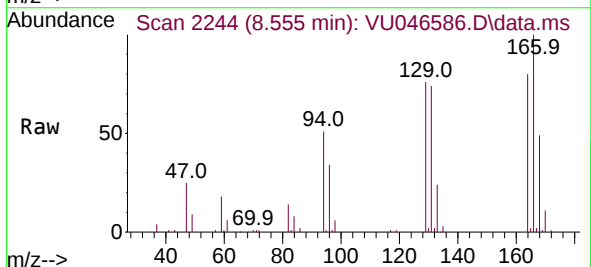
Ion	Ratio	Lower	Upper
97	100		
99	65.6	42.3	78.5
83	86.8	62.0	115.2
85	58.4	40.1	74.5

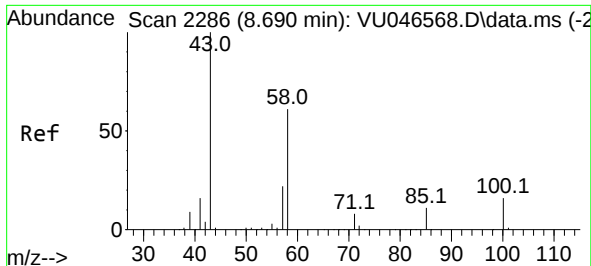


#47
Tetrachloroethene
Concen: 5.770 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 164 Resp: 33706

Ion	Ratio	Lower	Upper
164	100		
129	95.6	71.8	133.4
131	92.9	68.5	127.3
166	125.3	94.1	174.8

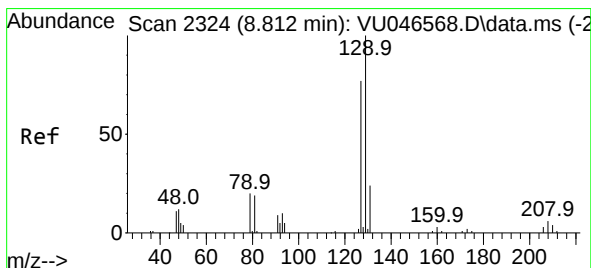
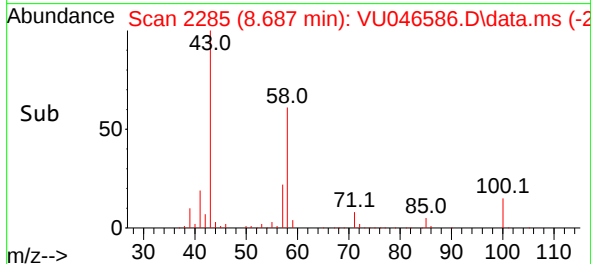
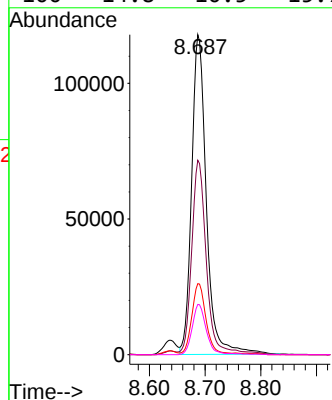
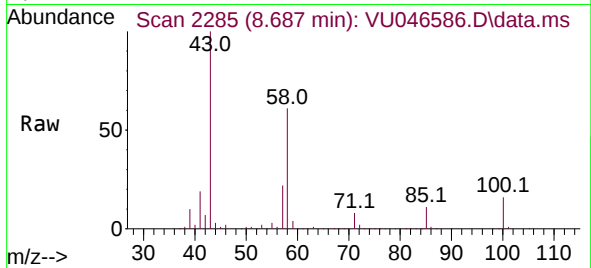




#48
2-Hexanone
Concen: 48.387 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

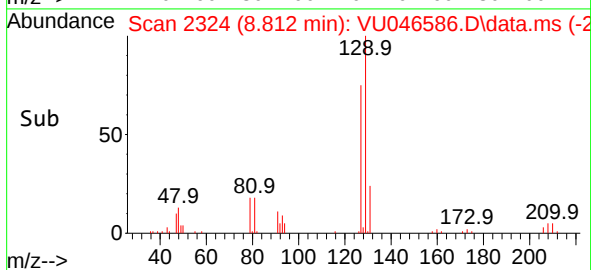
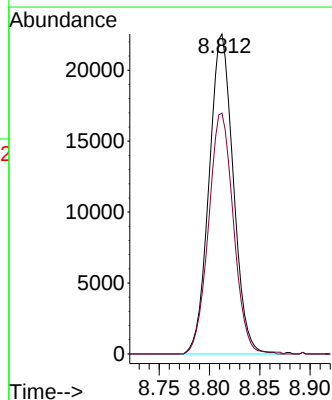
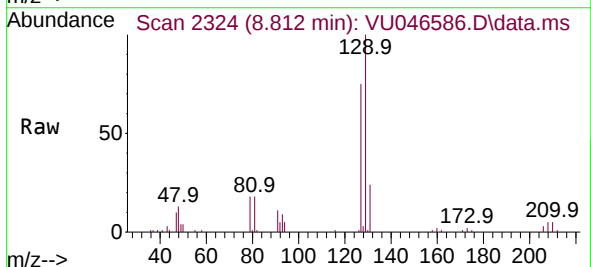
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

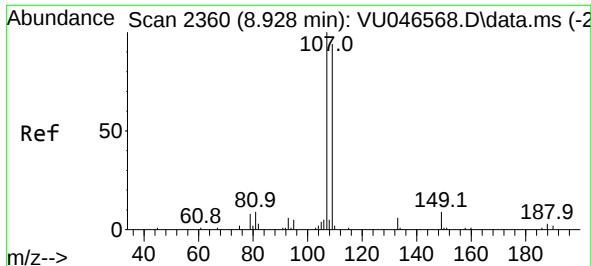
Tgt Ion: 43 Resp: 216670
Ion Ratio Lower Upper
43 100
58 61.0 46.7 70.1
57 20.5 16.3 24.5
100 14.8 10.5 15.7



#49
Dibromochloromethane
Concen: 4.749 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 129 Resp: 37735
Ion Ratio Lower Upper
129 100
127 75.2 55.4 102.8





#50

1,2-Dibromoethane

Concen: 4.818 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MSD

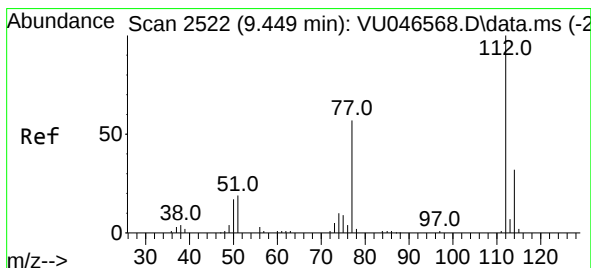
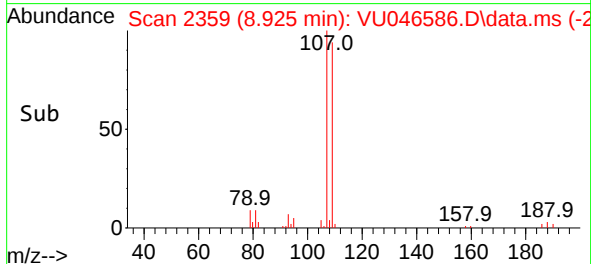
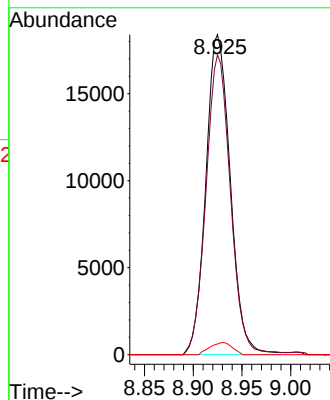
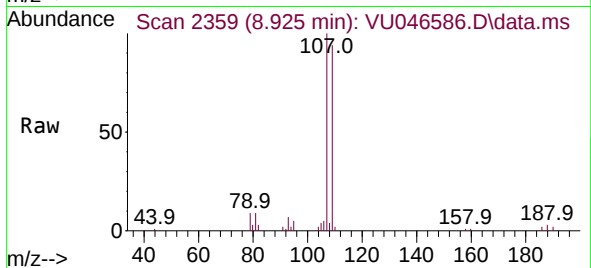
Tgt Ion:107 Resp: 32035

Ion Ratio Lower Upper

107 100

109 93.7 64.0 119.0

188 3.3 2.4 3.6



#51

Chlorobenzene

Concen: 5.045 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

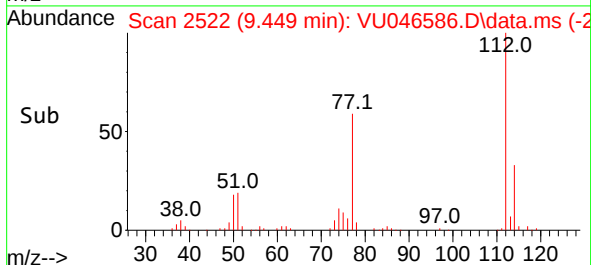
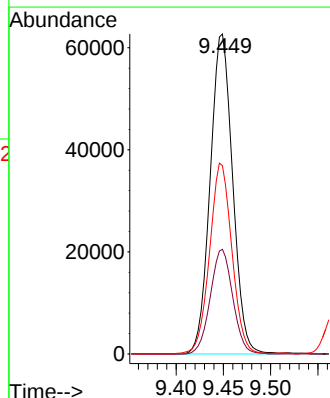
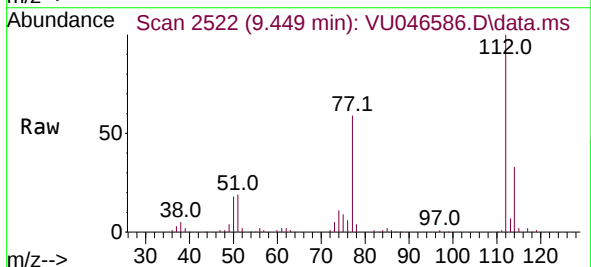
Tgt Ion:112 Resp: 103644

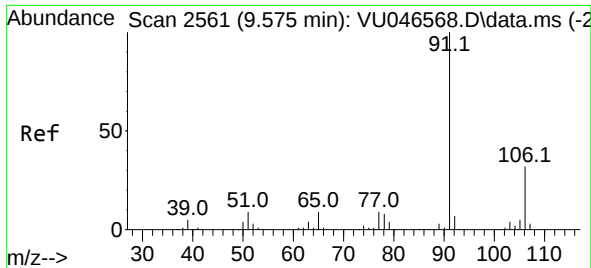
Ion Ratio Lower Upper

112 100

114 32.7 22.1 41.1

77 58.8 48.3 72.5

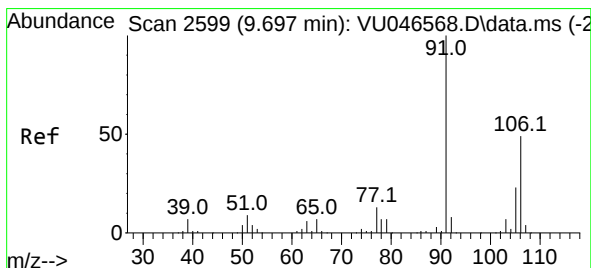
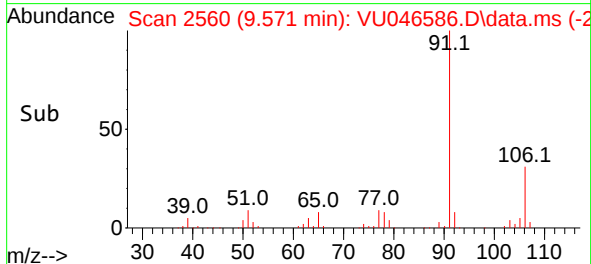
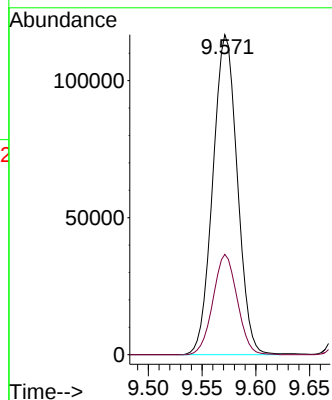
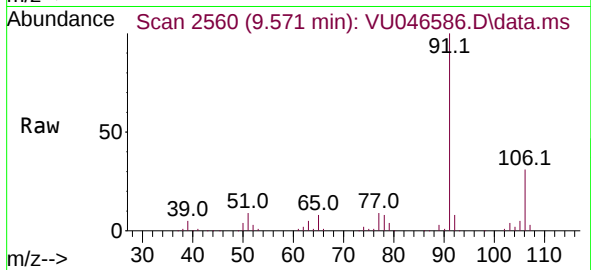




#52
Ethylbenzene
Concen: 5.556 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

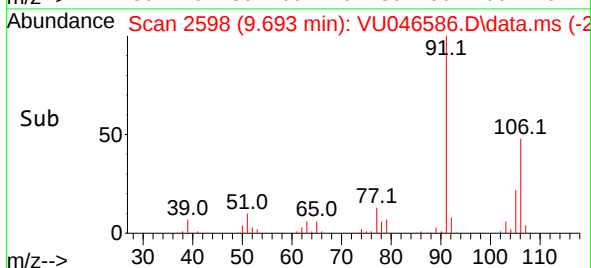
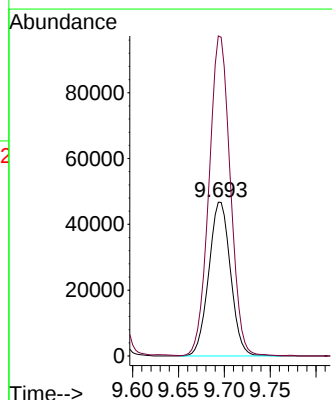
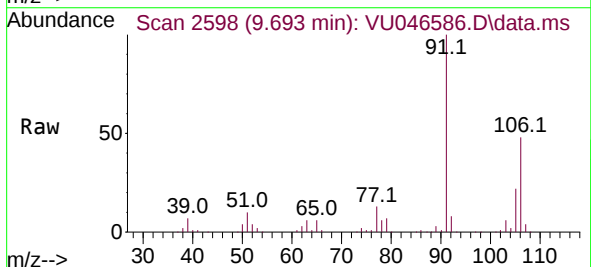
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

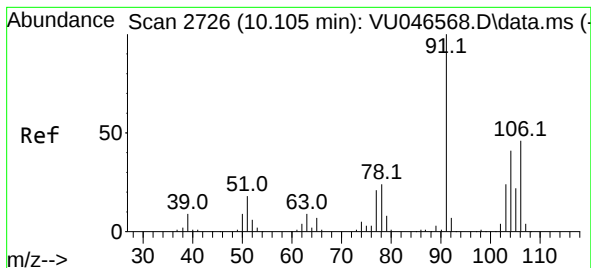
Tgt Ion: 91 Resp: 184850
Ion Ratio Lower Upper
91 100
106 31.4 21.5 39.9



#53
m,p-Xylene
Concen: 6.052 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 106 Resp: 77140
Ion Ratio Lower Upper
106 100
91 208.1 139.4 259.0





#54

o-Xylene

Concen: 5.742 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

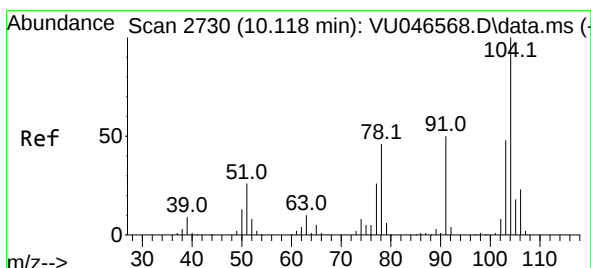
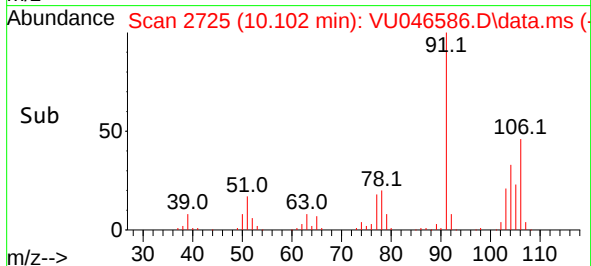
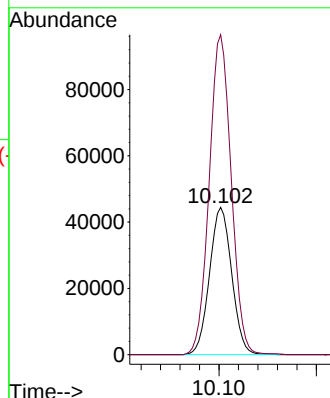
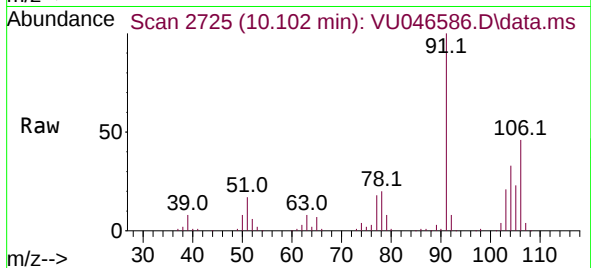
H0AO4MSD

Tgt Ion:106 Resp: 70319

Ion Ratio Lower Upper

106 100

91 217.2 147.5 273.9



#55

Styrene

Concen: 5.505 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU046586.D

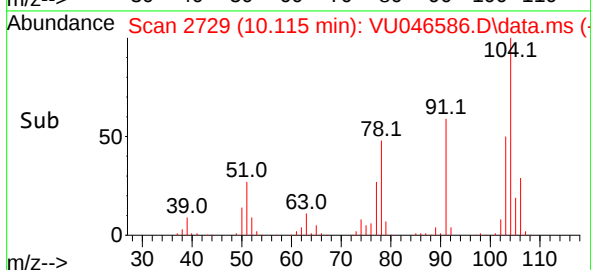
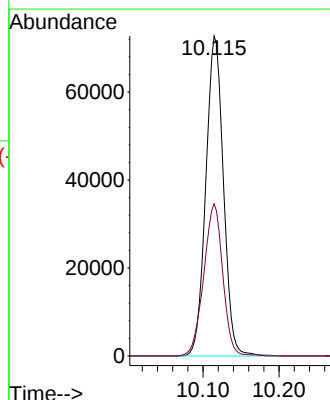
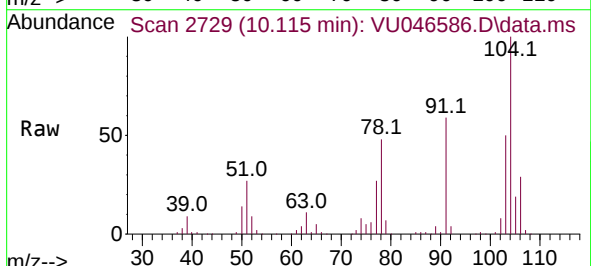
Acq: 23 Dec 2021 23:25

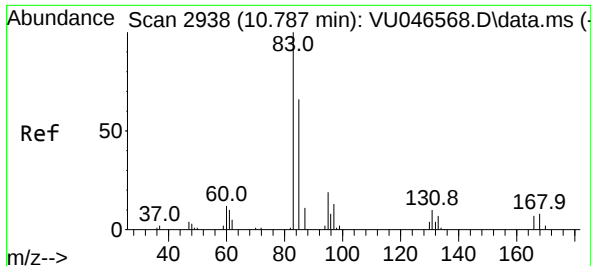
Tgt Ion:104 Resp: 116934

Ion Ratio Lower Upper

104 100

78 47.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.888 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MSD

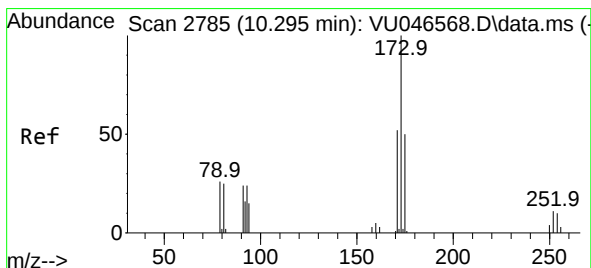
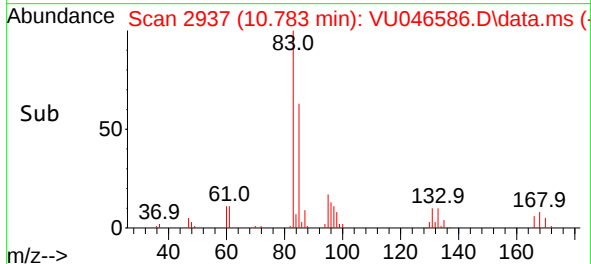
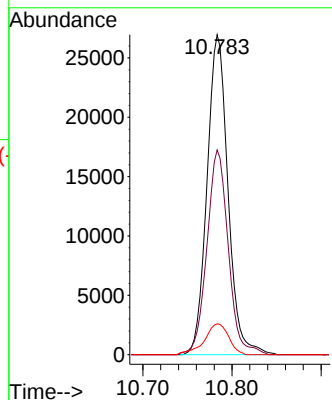
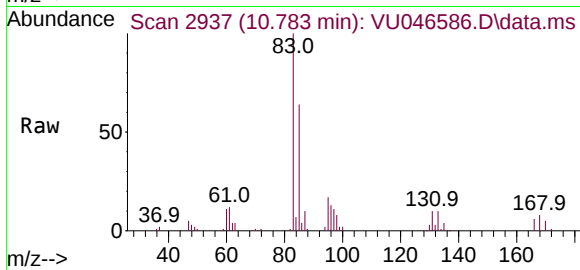
Tgt Ion: 83 Resp: 44000

Ion Ratio Lower Upper

83 100

85 64.0 47.9 89.1

131 9.6 8.1 12.1



#59

Bromoform

Concen: 4.783 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

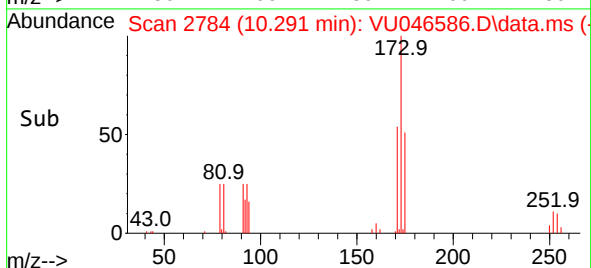
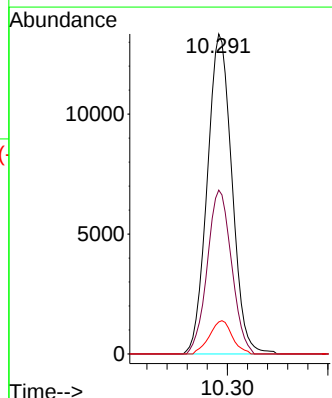
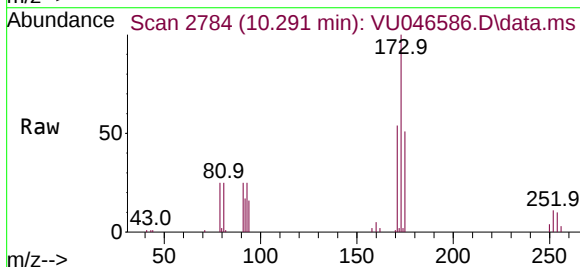
Tgt Ion:173 Resp: 22656

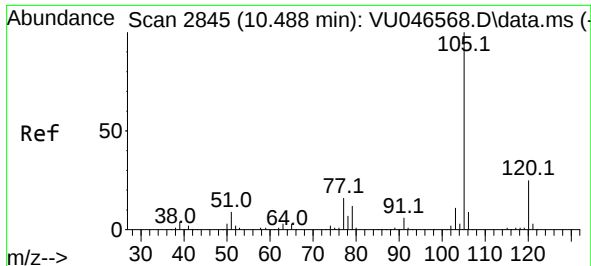
Ion Ratio Lower Upper

173 100

175 50.5 37.8 56.6

254 9.7 7.3 10.9

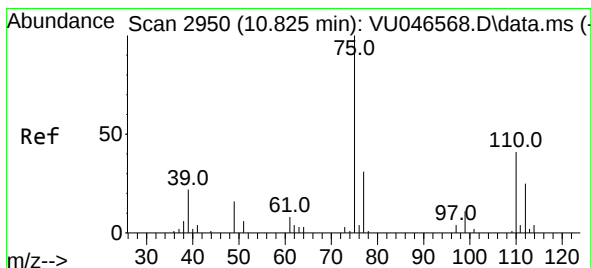
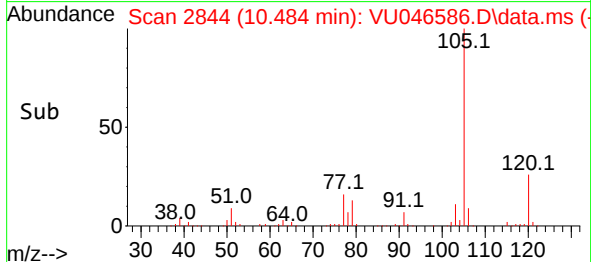
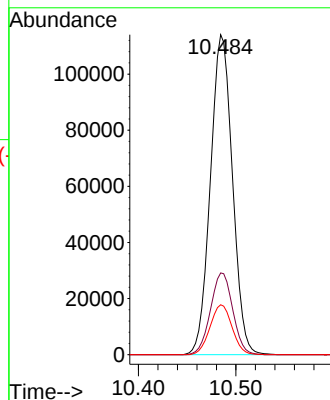
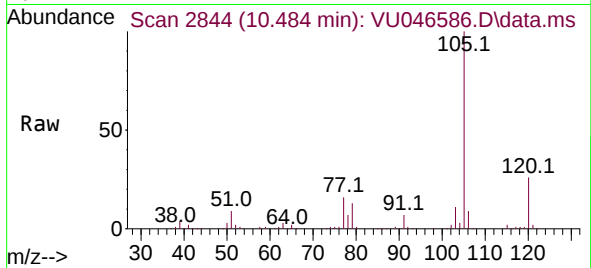




#60
Isopropylbenzene
Concen: 5.670 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

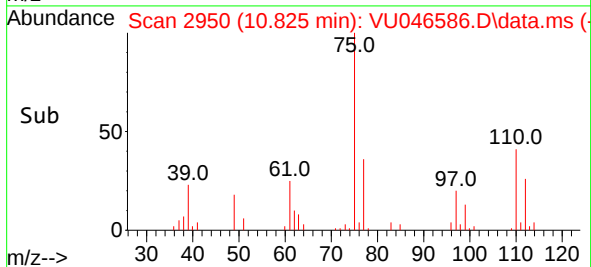
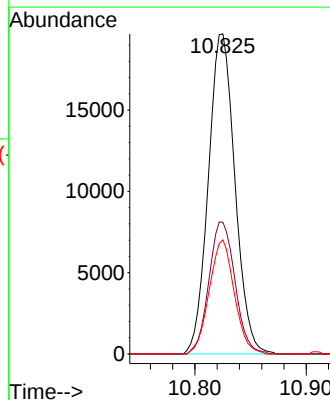
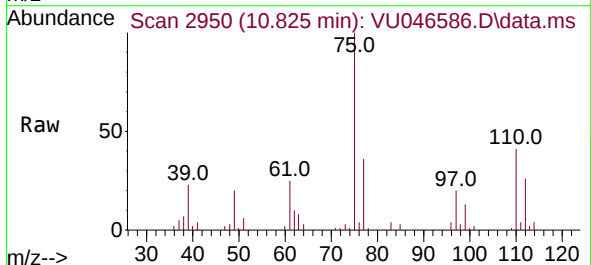
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

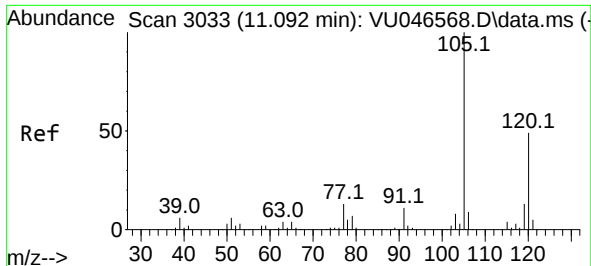
Tgt Ion:105 Resp: 179275
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.798 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion: 75 Resp: 32668
Ion Ratio Lower Upper
75 100
110 40.4 29.9 44.9
77 33.6 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.815 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

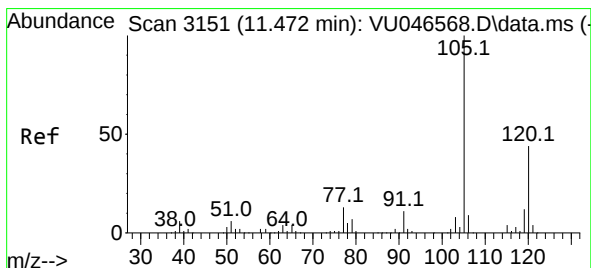
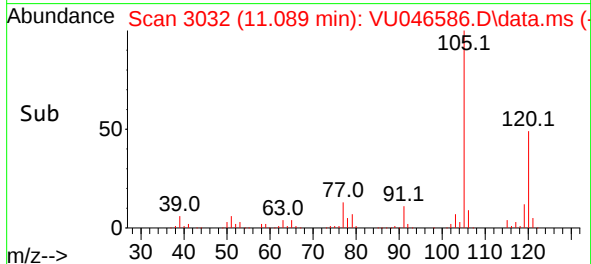
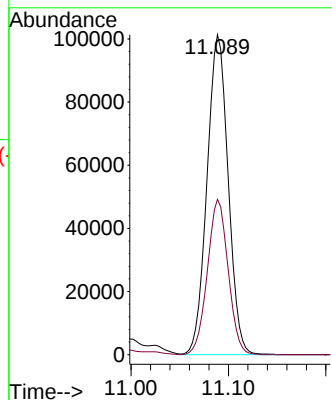
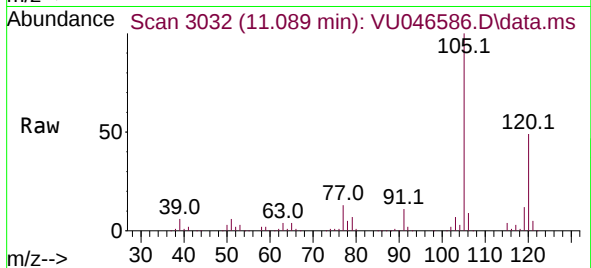
H0AO4MSD

Tgt Ion:105 Resp: 152915

Ion Ratio Lower Upper

105 100

120 47.6 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 6.371 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU046586.D

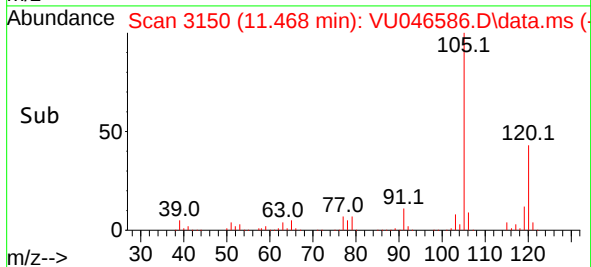
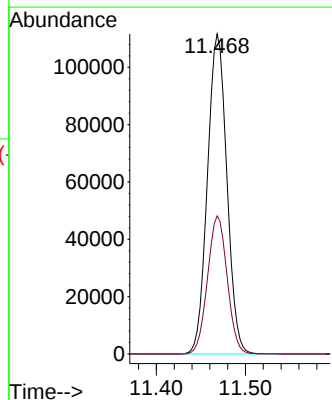
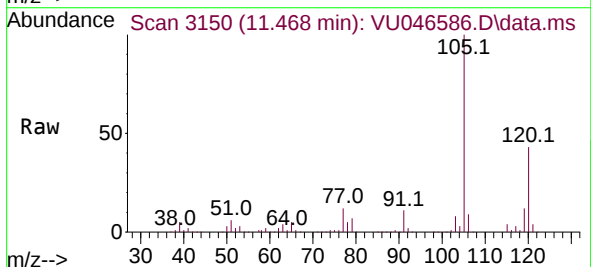
Acq: 23 Dec 2021 23:25

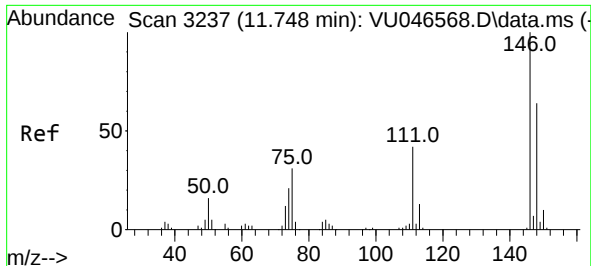
Tgt Ion:105 Resp: 168692

Ion Ratio Lower Upper

105 100

120 43.6 35.8 53.8

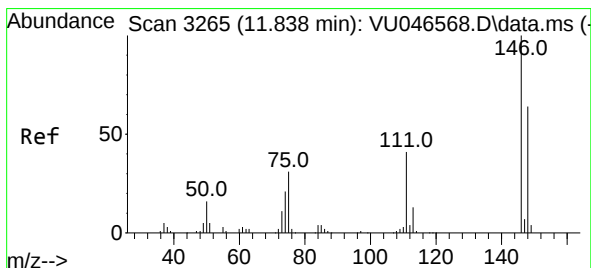
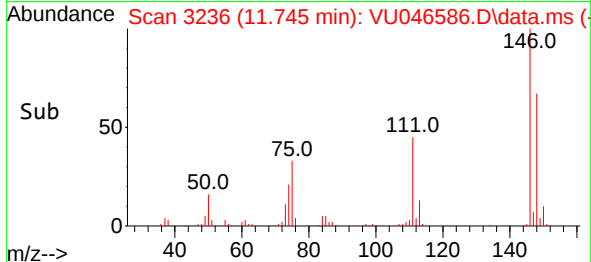
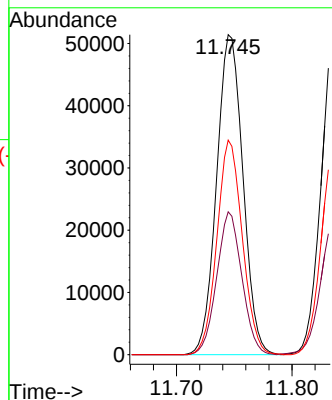
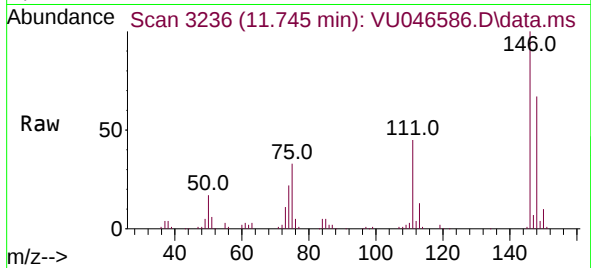




#64
1,3-Dichlorobenzene
Concen: 5.306 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

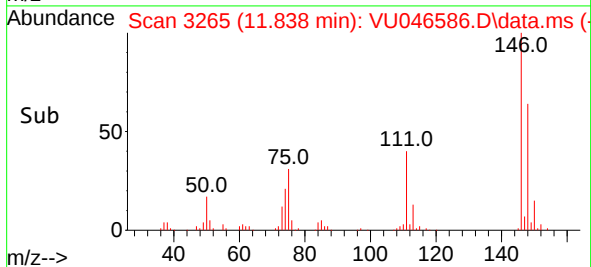
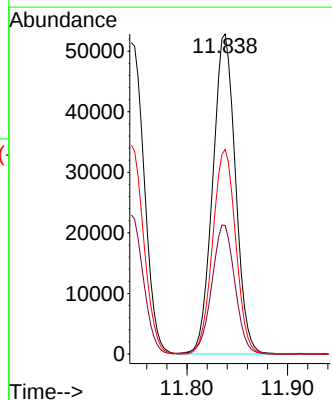
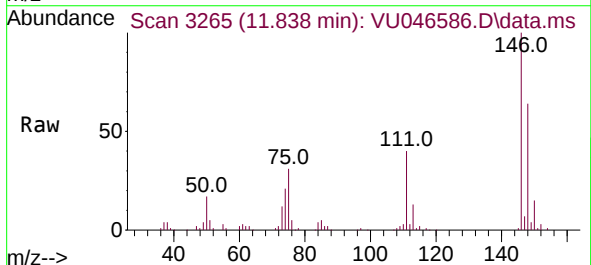
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MSD

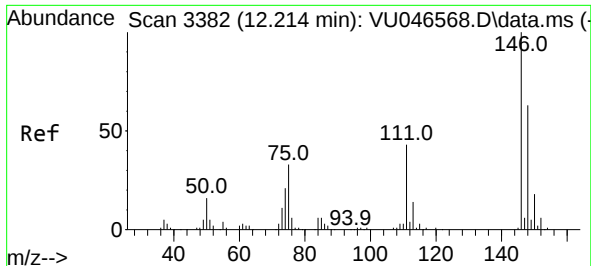
Tgt Ion:146 Resp: 81547
Ion Ratio Lower Upper
146 100
111 44.7 29.9 55.5
148 67.1 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.274 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046586.D
Acq: 23 Dec 2021 23:25

Tgt Ion:146 Resp: 82980
Ion Ratio Lower Upper
146 100
111 40.1 28.7 53.3
148 63.9 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.347 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MSD

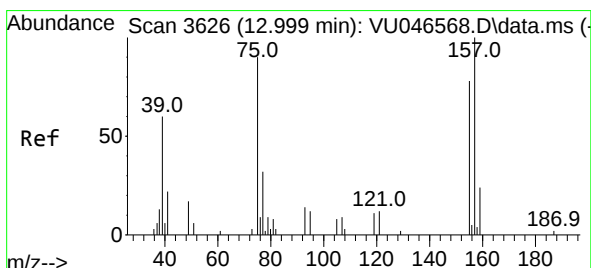
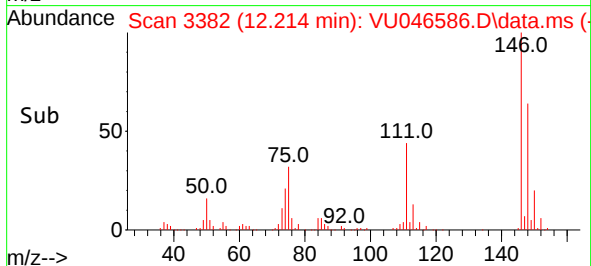
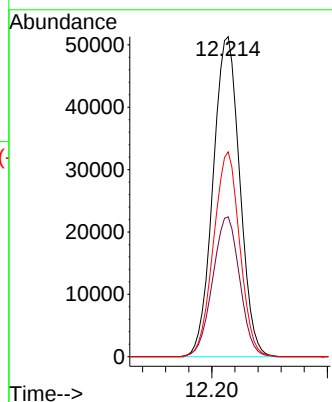
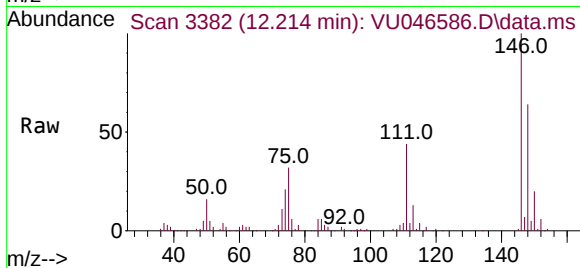
Tgt Ion:146 Resp: 82417

Ion Ratio Lower Upper

146 100

111 43.7 35.4 53.0

148 64.0 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.116 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

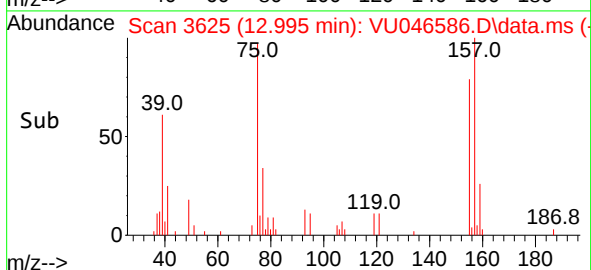
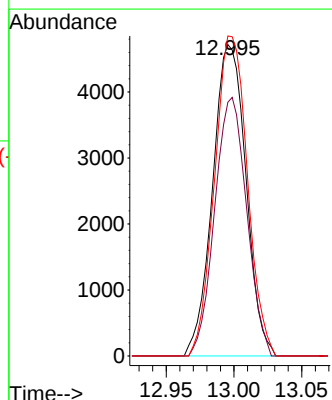
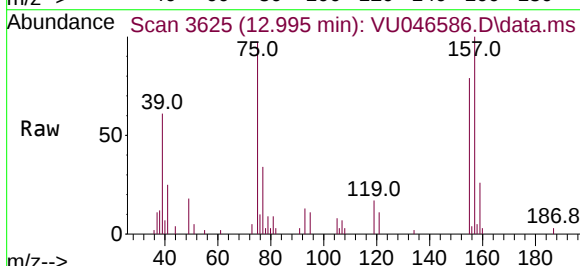
Tgt Ion: 75 Resp: 8063

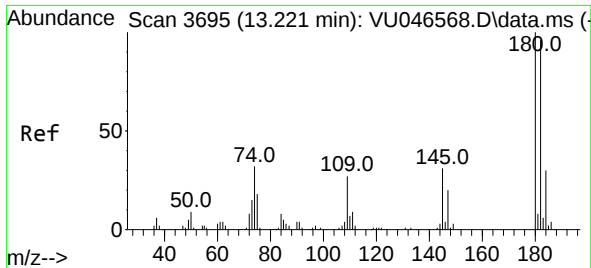
Ion Ratio Lower Upper

75 100

155 81.5 59.2 88.8

157 102.8 76.5 114.7

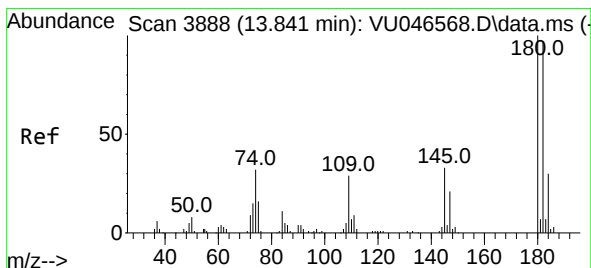
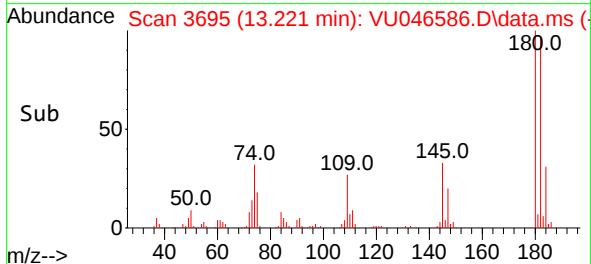
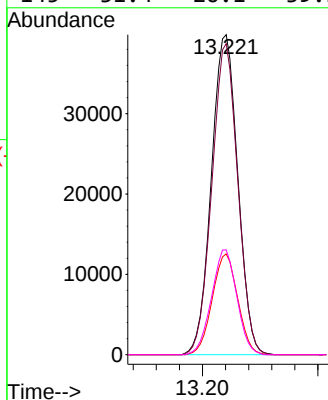
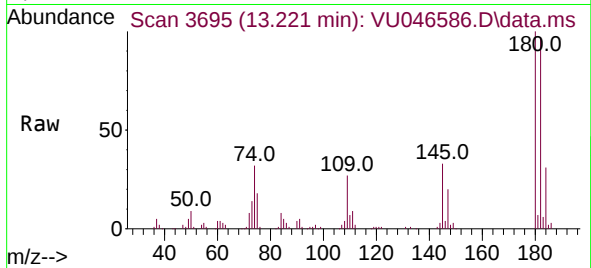




#69
 1,3,5-Trichlorobenzene
 Concen: 5.432 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046586.D
 Acq: 23 Dec 2021 23:25

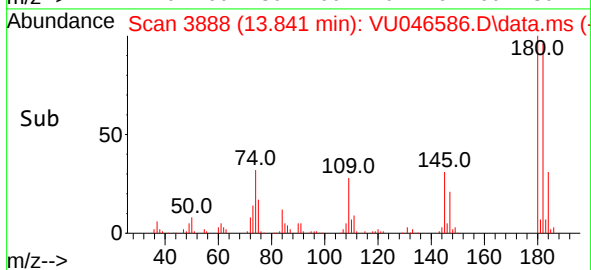
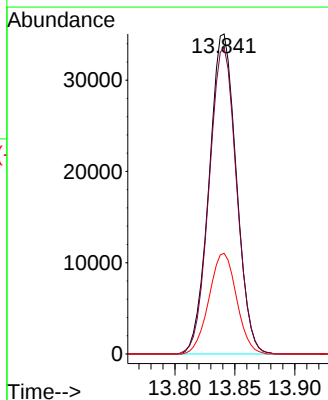
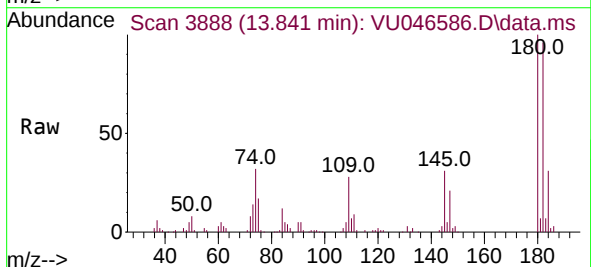
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO4MSD

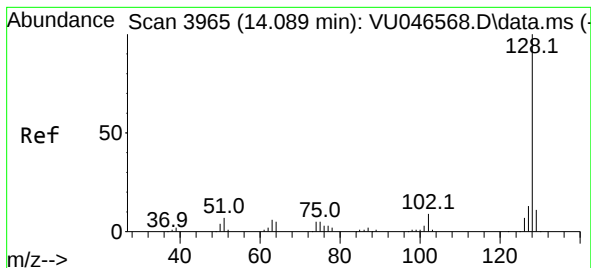
Tgt Ion:180	Resp:	63183
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.1 114.1
184	30.3	25.0 37.4
145	31.4	26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.617 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046586.D
 Acq: 23 Dec 2021 23:25

Tgt Ion:180	Resp:	55336
Ion Ratio	Lower	Upper
180	100	
182	96.2	76.4 114.6
145	31.9	25.6 38.4





#71

Naphthalene

Concen: 6.832 ug/L

RT: 14.085 min Scan# 3965

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MSD

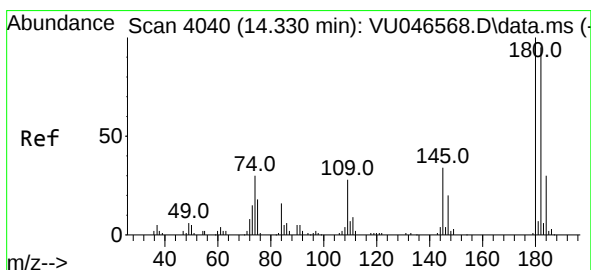
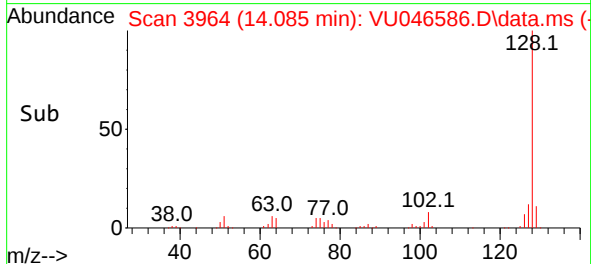
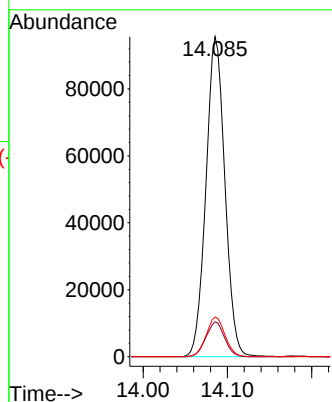
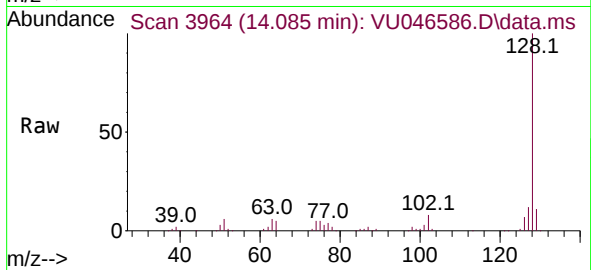
Tgt Ion:128 Resp: 149479

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 12.3 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 5.730 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.003 min

Lab File: VU046586.D

Acq: 23 Dec 2021 23:25

Tgt Ion:180 Resp: 55892

Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

145 34.0 28.4 42.6

