

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011521\
 Data File : VU042074.D
 Acq On : 15 Jan 2021 15:37
 Operator : SY/MD
 Sample : M1164-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXT4

Quant Time: Jan 16 01:11:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 16 01:05:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	117088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	117861	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	52431	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	35529	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.919	69	42494	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.575	63	58627	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.649	46	163686	55.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.40%
24) Chloroform-d	5.079	84	83848	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.716	65	49748	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.742	84	156895	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.700	67	53599	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.906	98	132108	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloroprop...	8.185	79	23809	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.639	63	142513	55.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.70%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	47307	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.188	152	53786	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds						Qvalue
3) Chloromethane	1.520	50	1247	0.09	ug/L	# 80
8) Chloroethane	1.938	64	629	0.07	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	457	0.05	ug/L	# 21
13) Acetone	2.655	43	121401	65.51	ug/L	93
15) Methyl Acetate	2.964	43	1840	0.41	ug/L	# 61
16) Methylene chloride	3.057	84	7431	0.70	ug/L	97
21) 2-Butanone	4.732	43	139774	47.32	ug/L	93
33) Benzene	5.790	78	1162	0.03	ug/L	100
35) Methylcyclohexane	6.700	83	12850	0.74	ug/L	# 38
37) 1,2-Dichloropropane	6.700	63	6223	0.55	ug/L	# 90
39) cis-1,3-Dichloropropene	7.565	75	1309	0.08	ug/L	# 39
40) 4-Methyl-2-pentanone	7.803	43	3822	0.49	ug/L	# 75
42) Toluene	7.976	91	11461	0.25	ug/L	96
44) trans-1,3-Dichloropropene	8.189	75	1136	0.08	ug/L	96
48) 2-Hexanone	8.690	43	15910	3.01	ug/L	97
52) Ethylbenzene	9.568	91	2210	0.05	ug/L	95
53) m,p-Xylene	9.697	106	2795	0.17	ug/L	91
54) o-Xylene	10.105	106	1616	0.10	ug/L	91
59) 1,2,3-Trichloropropane	11.809	75	6204	0.83	ug/L	92
69) Naphthalene	14.082	128	1552	0.09	ug/L	# 76

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 16 01:05:16 2021
Response via : Initial Calibration

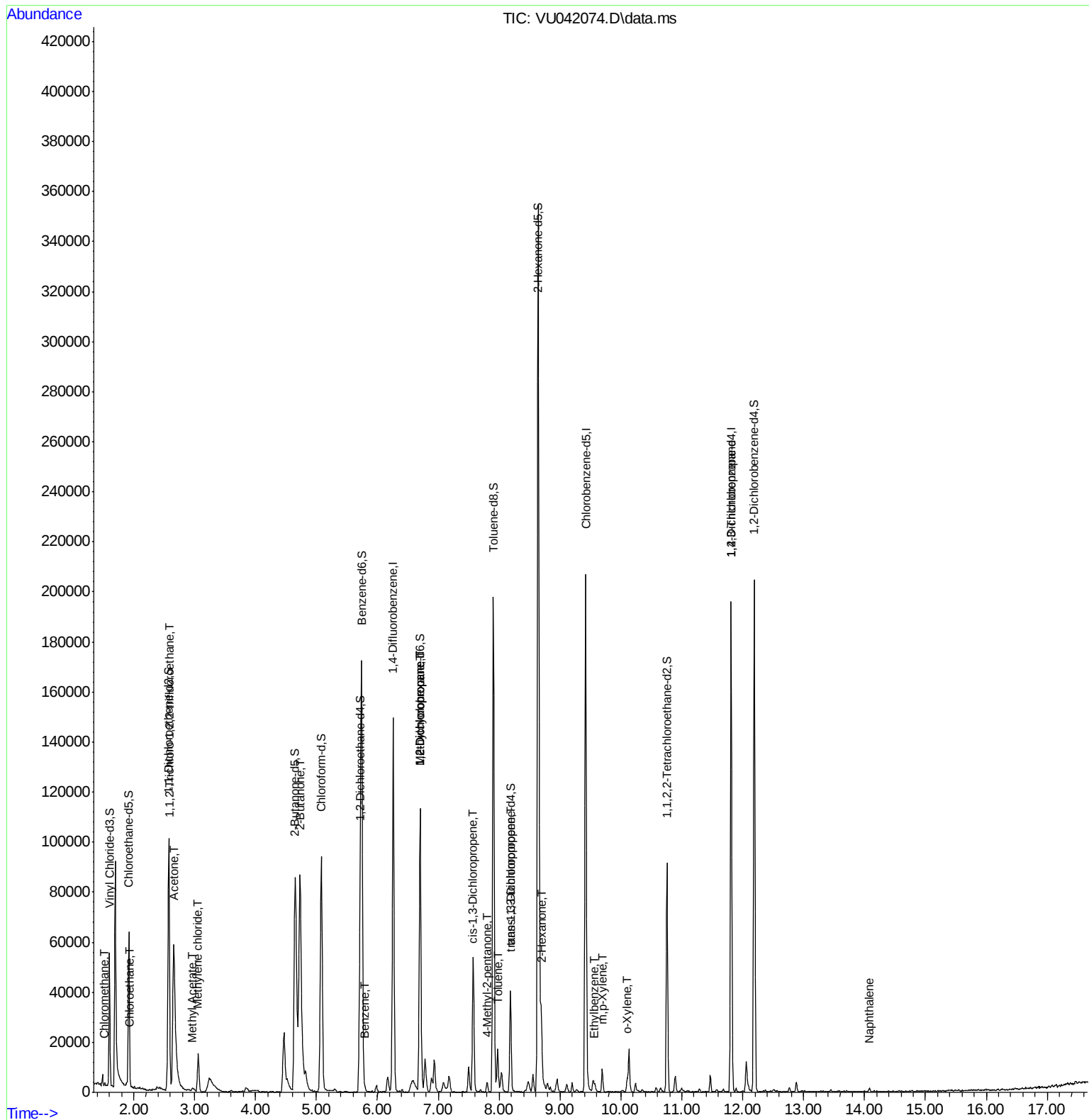
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

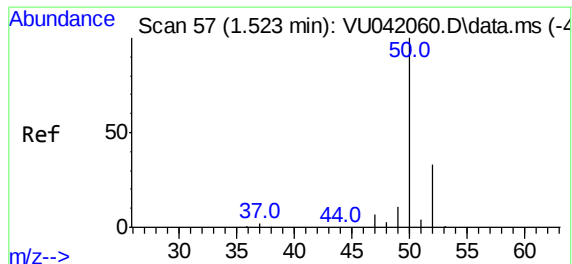
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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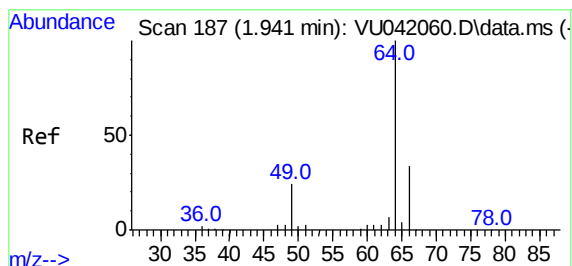
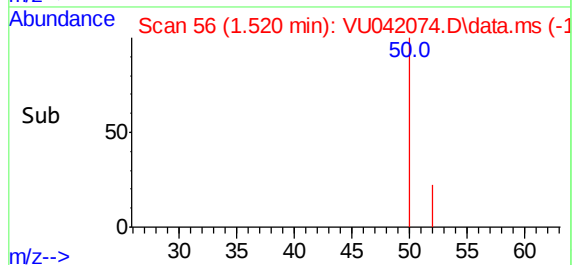
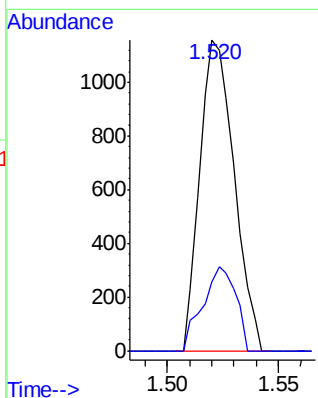
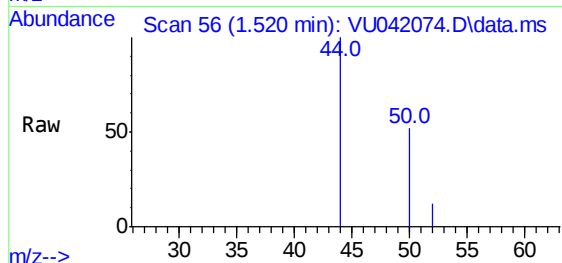




#3
Chloromethane
Concen: 0.09 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

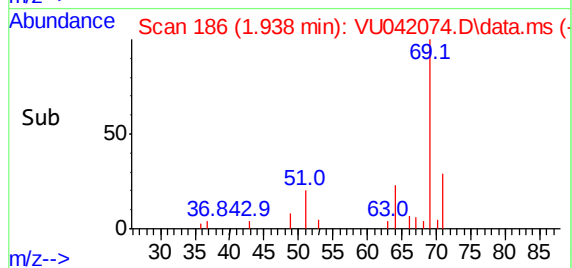
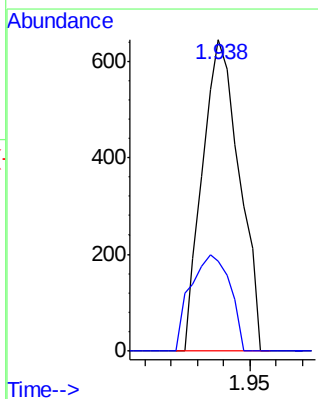
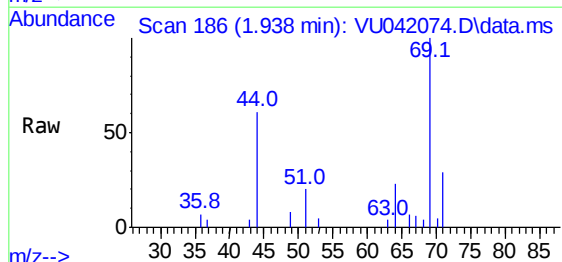
Instrument :
MSVOA_U
ClientSampled :
BFXT4

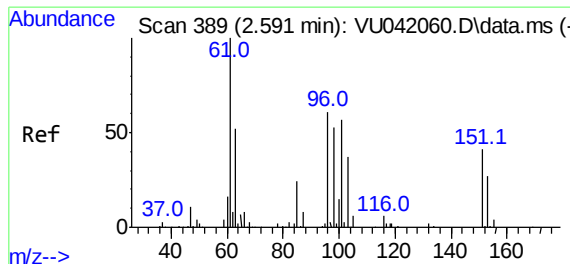
Tgt Ion: 50 Resp: 1247
Ion Ratio Lower Upper
50 100
52 22.2 23.5 43.7#



#8
Chloroethane
Concen: 0.07 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.003 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 64 Resp: 629
Ion Ratio Lower Upper
64 100
66 28.8 21.6 40.2

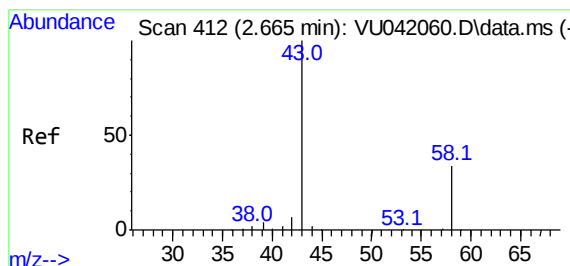
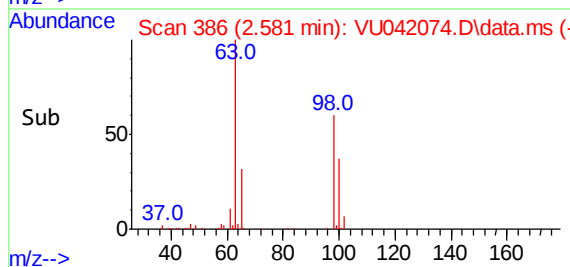
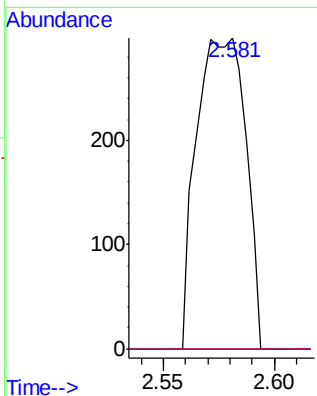
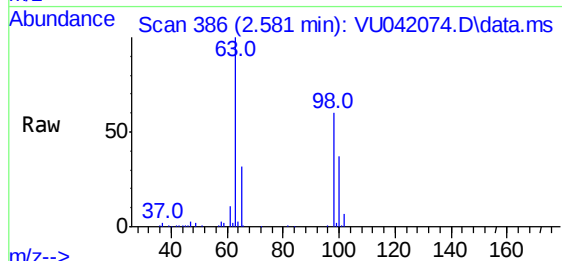




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.010 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

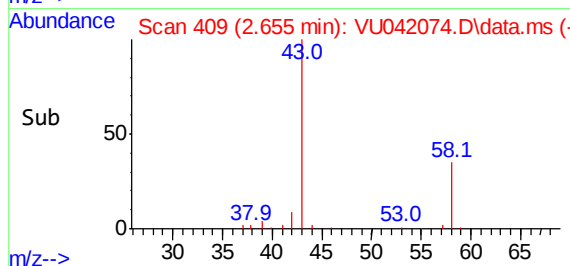
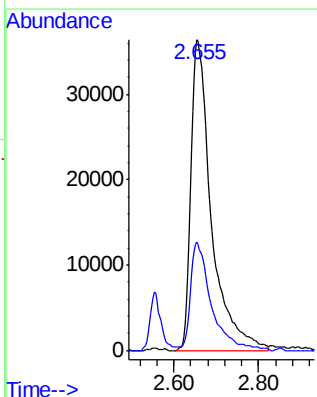
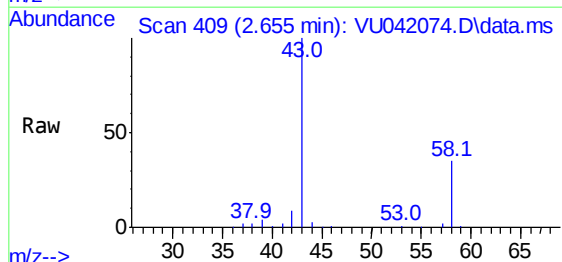
Instrument :
MSVOA_U
ClientSampled :
BFXT4

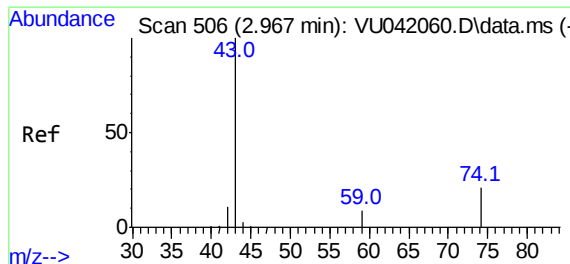
Tgt Ion:101 Resp: 457
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 0.0 55.4 83.2#



#13
Acetone
Concen: 65.51 ug/L
RT: 2.655 min Scan# 409
Delta R.T. -0.010 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 43 Resp: 121401
Ion Ratio Lower Upper
43 100
58 32.6 0.0 57.4

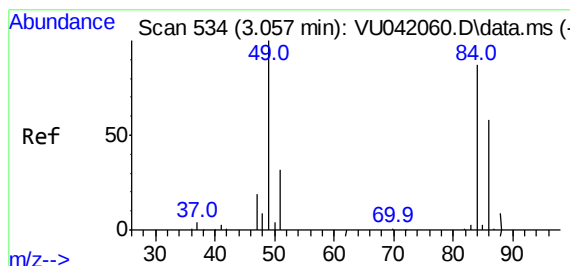
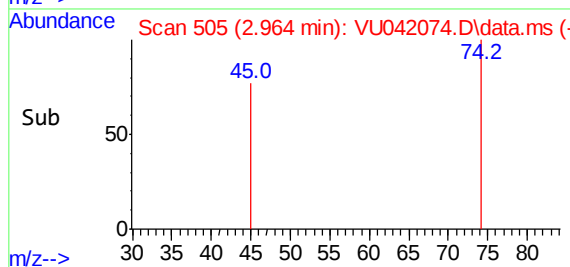
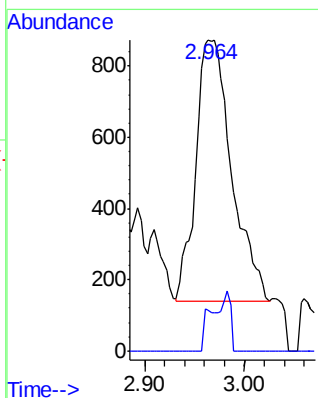
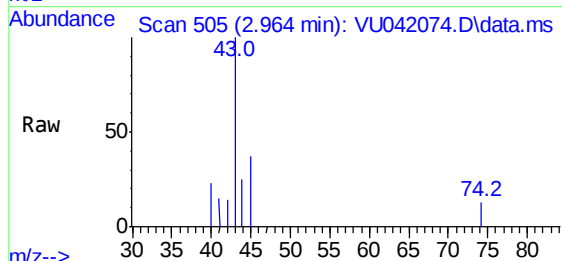




#15
Methyl Acetate
Concen: 0.41 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.003 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

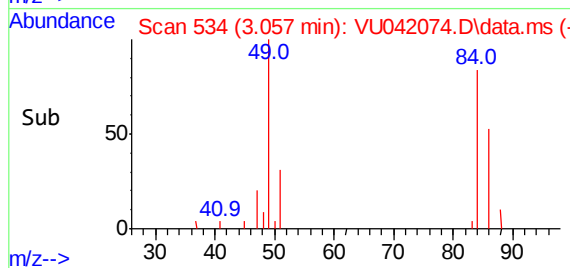
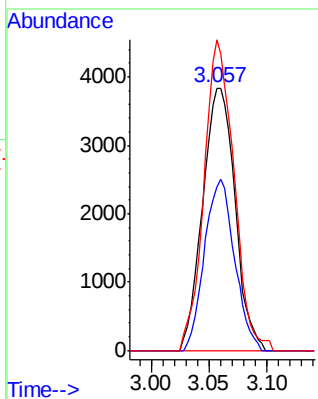
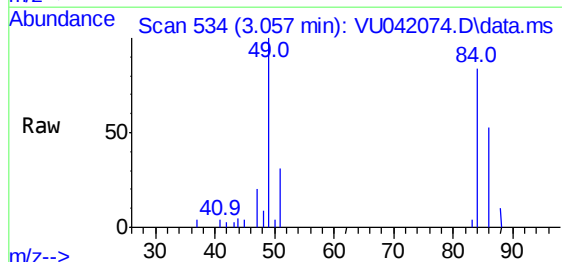
Instrument :
MSVOA_U
ClientSampleId :
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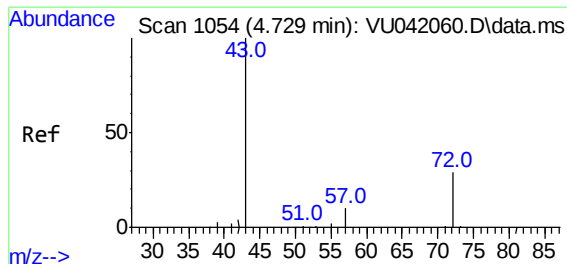
Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
74 4.7 19.2 28.8#



#16
Methylene chloride
Concen: 0.70 ug/L
RT: 3.057 min Scan# 534
Delta R.T. -0.000 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 84 Resp: 7431
Ion Ratio Lower Upper
84 100
86 62.3 42.6 79.0
49 118.5 86.2 160.0

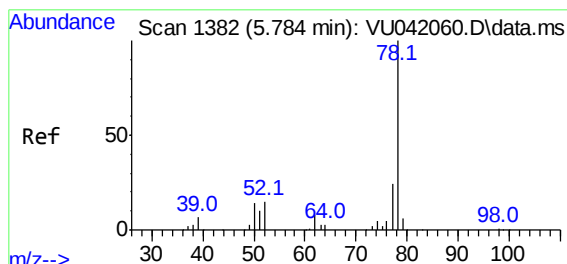
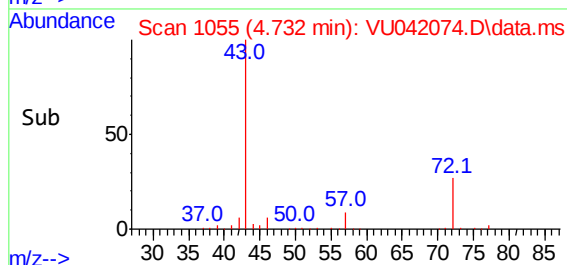
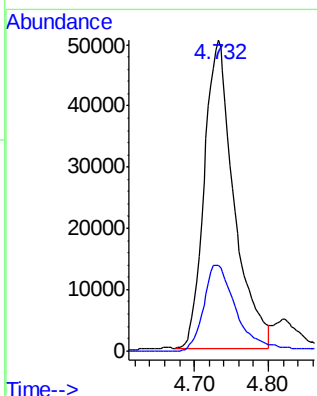
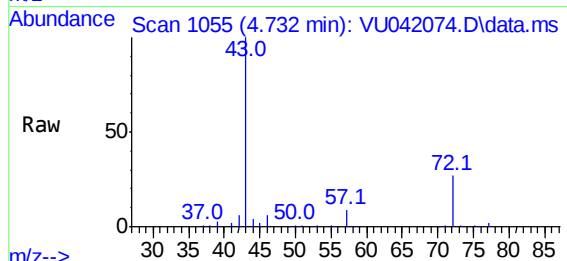




#21
2-Butanone
Concen: 47.32 ug/L
RT: 4.732 min Scan# 1055
Delta R.T. 0.003 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

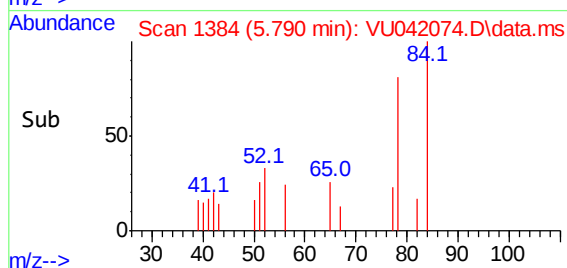
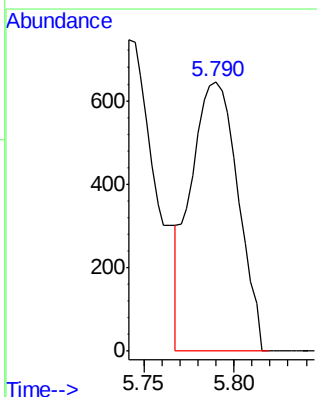
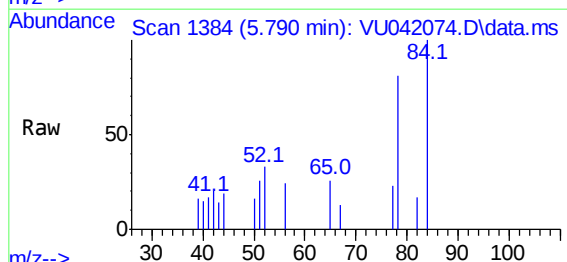
Instrument :
MSVOA_U
ClientSampled :
BFX4

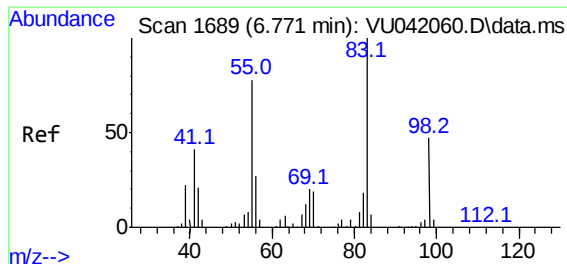
Tgt Ion: 43 Resp: 139774
Ion Ratio Lower Upper
43 100
72 31.1 13.7 41.1



#33
Benzene
Concen: 0.03 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 78 Resp: 1162

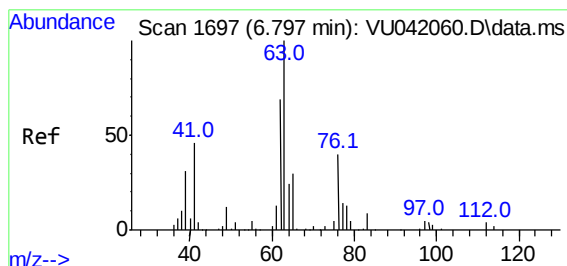
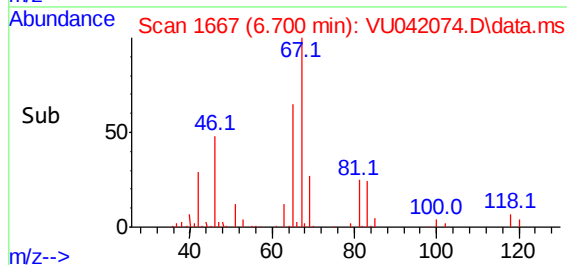
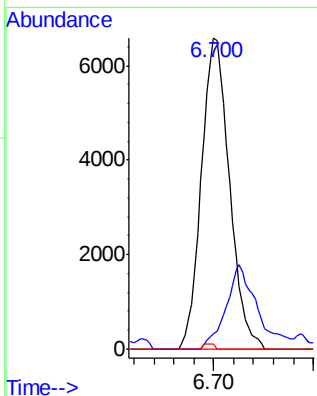
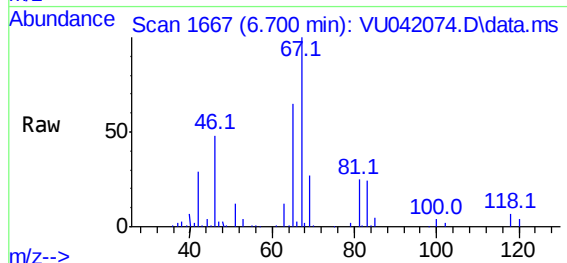




#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

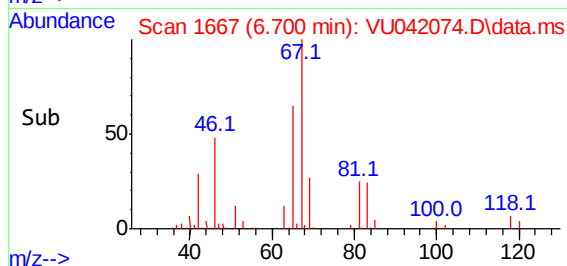
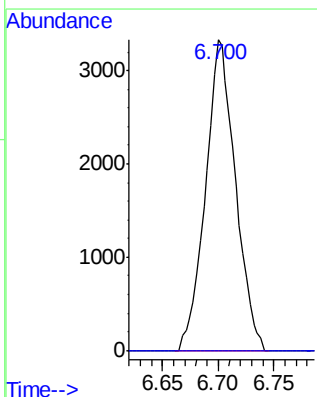
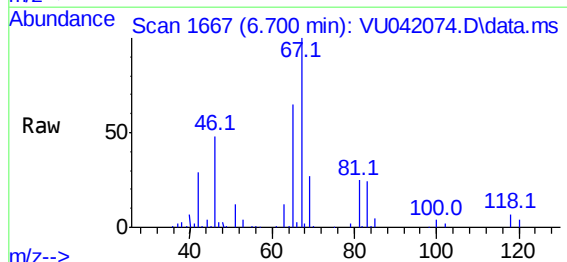
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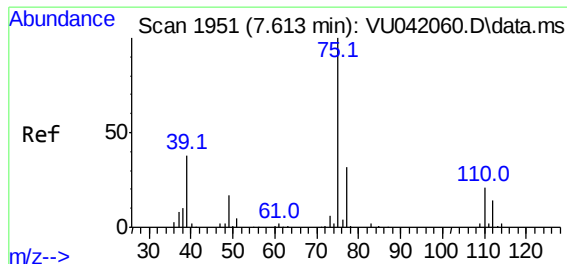
Tgt Ion: 83 Resp: 12850
Ion Ratio Lower Upper
83 100
55 30.0 66.8 100.2#
98 0.6 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.55 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.097 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 63 Resp: 6223
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

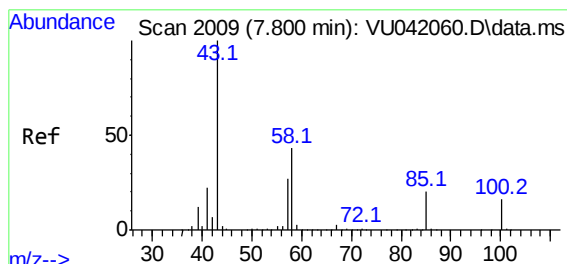
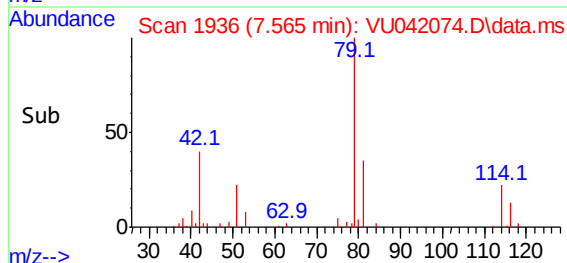
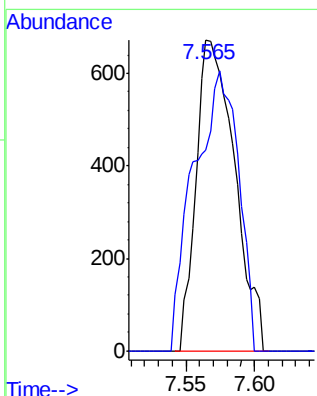
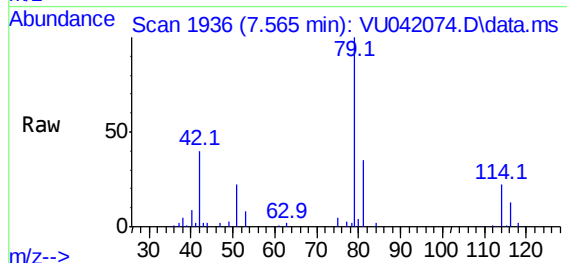




#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.048 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

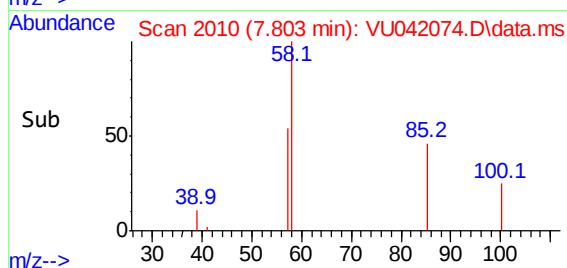
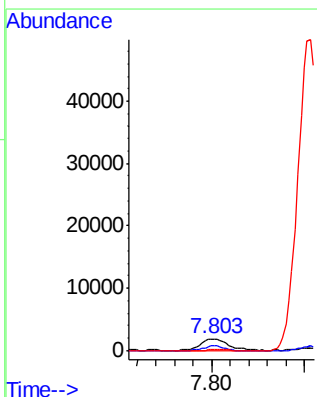
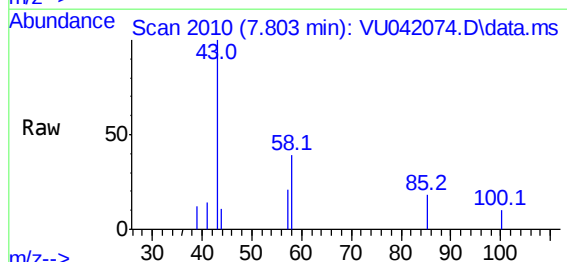
Instrument :
MSVOA_U
ClientSampleId :
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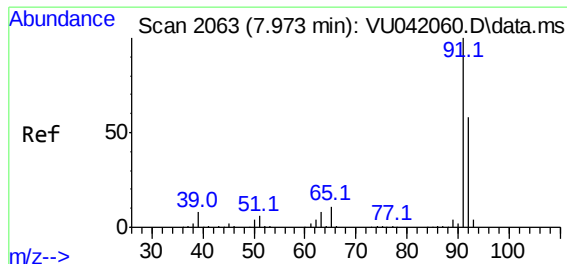
Tgt Ion: 75 Resp: 1309
Ion Ratio Lower Upper
75 100
77 64.7 21.9 40.7#



#40
4-Methyl-2-pentanone
Concen: 0.49 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 43 Resp: 3822
Ion Ratio Lower Upper
43 100
58 28.4 33.7 50.5#
100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.25 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. 0.003 min

Lab File: VU042074.D

Acq: 15 Jan 2021 15:37

Tgt Ion: 91 Resp: 11461

Ion Ratio Lower Upper

91 100

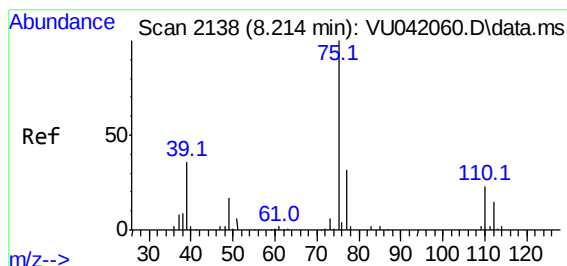
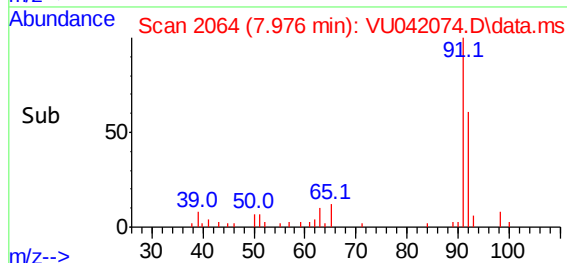
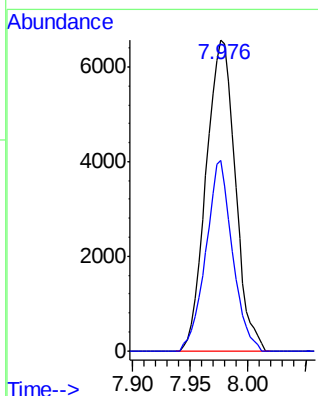
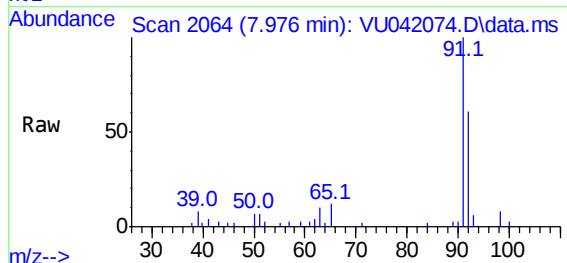
92 61.1 40.7 75.7

Instrument :

MSVOA_U

ClientSampled :

BFXT4



#44

trans-1,3-Dichloropropene

Concen: 0.08 ug/L

RT: 8.189 min Scan# 2130

Delta R.T. -0.026 min

Lab File: VU042074.D

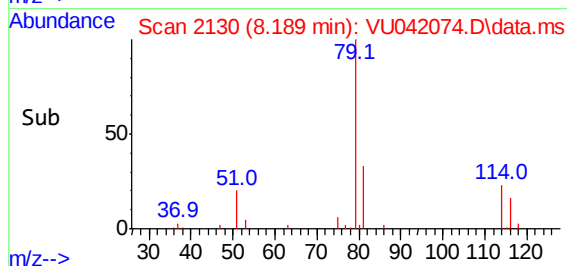
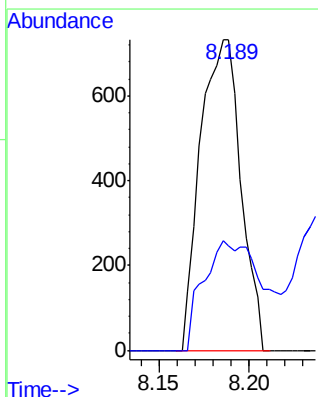
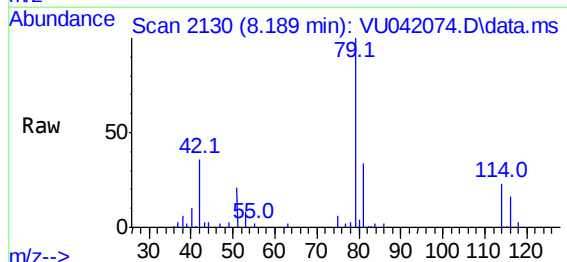
Acq: 15 Jan 2021 15:37

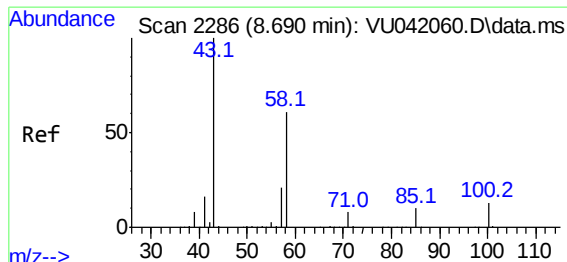
Tgt Ion: 75 Resp: 1136

Ion Ratio Lower Upper

75 100

77 33.7 22.0 41.0



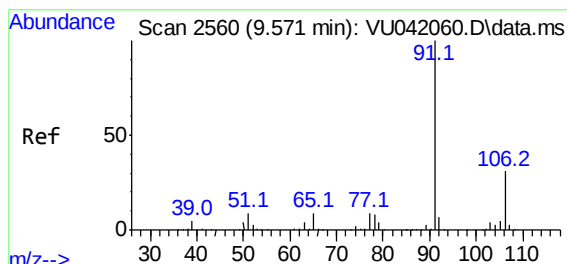
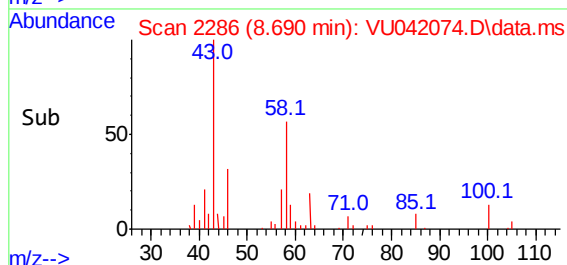
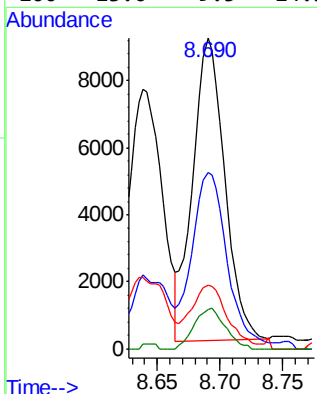
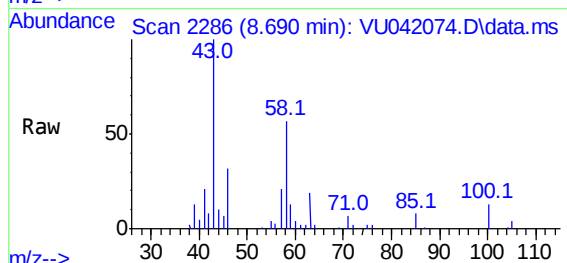


#48
2-Hexanone
Concen: 3.01 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Instrument :
MSVOA_U
ClientSampleId :
BFXT4

Tgt Ion: 43 Resp: 15910

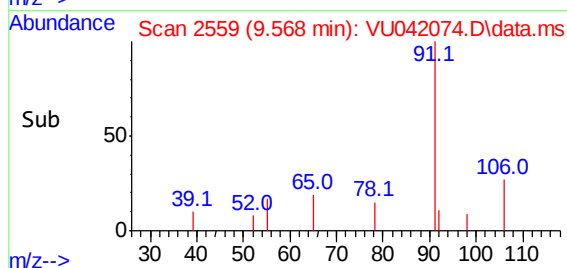
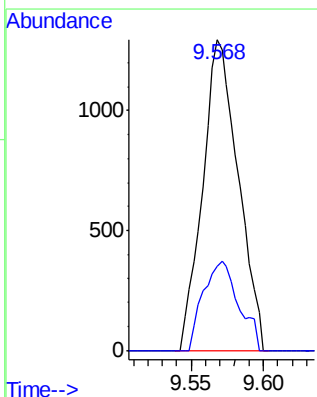
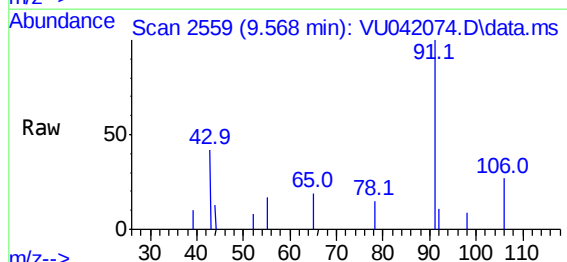
Ion	Ratio	Lower	Upper
43	100		
58	61.6	47.8	71.8
57	23.9	17.4	26.0
100	13.0	9.5	14.3

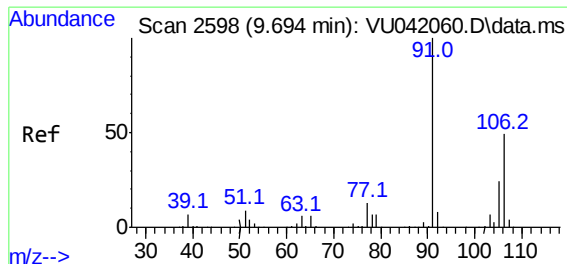


#52
Ethylbenzene
Concen: 0.05 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 91 Resp: 2210

Ion	Ratio	Lower	Upper
91	100		
106	27.1	21.0	39.0

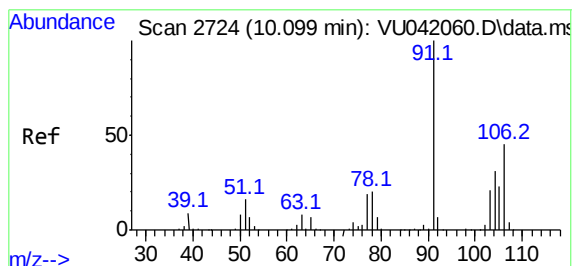
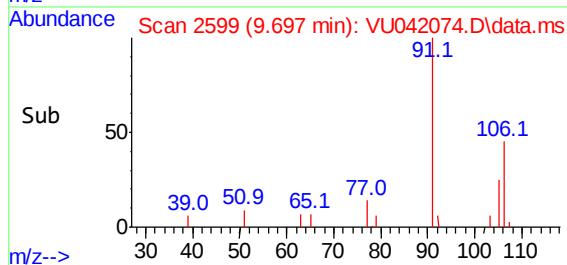
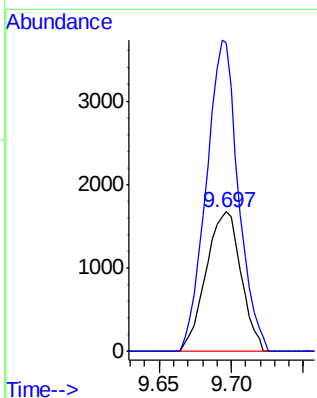
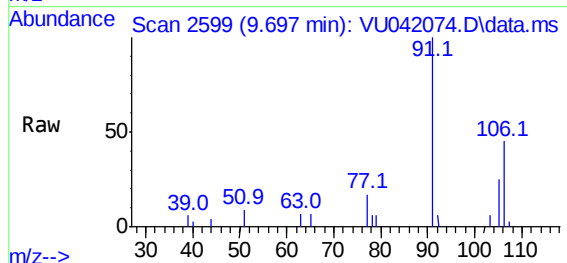




#53
m,p-Xylene
Concen: 0.17 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

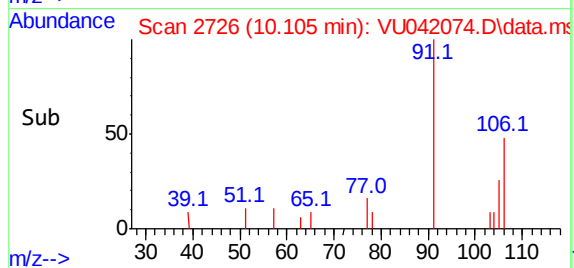
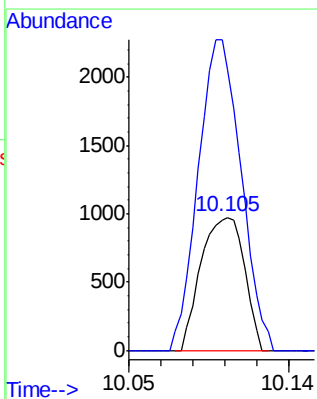
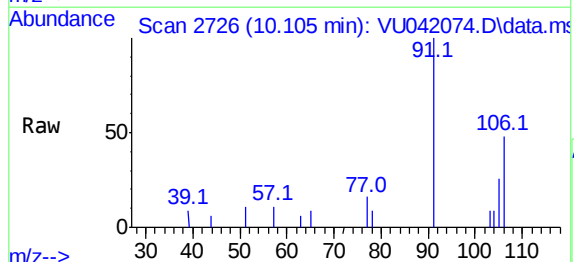
Instrument :
MSVOA_U
ClientSampled :
BFXT4

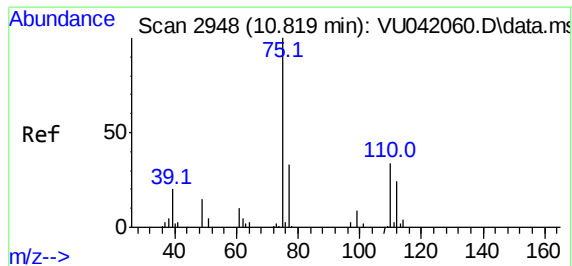
Tgt Ion:106 Resp: 2795
Ion Ratio Lower Upper
106 100
91 222.1 145.7 270.5



#54
o-Xylene
Concen: 0.10 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.006 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion:106 Resp: 1616
Ion Ratio Lower Upper
106 100
91 210.4 157.6 292.6

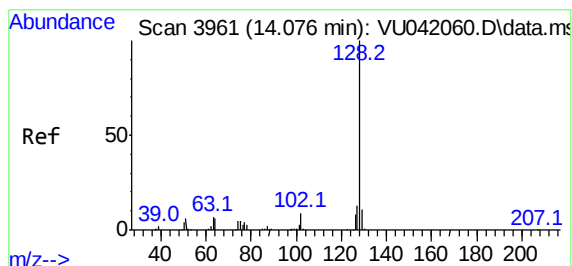
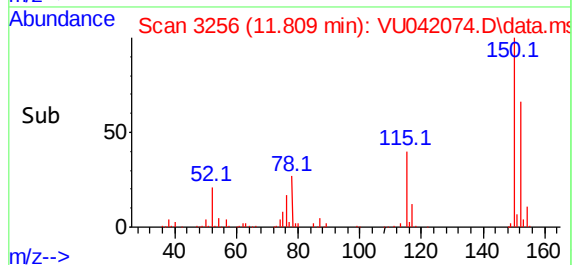
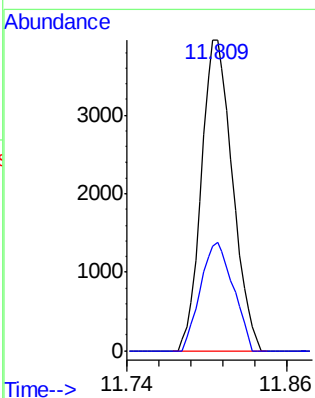
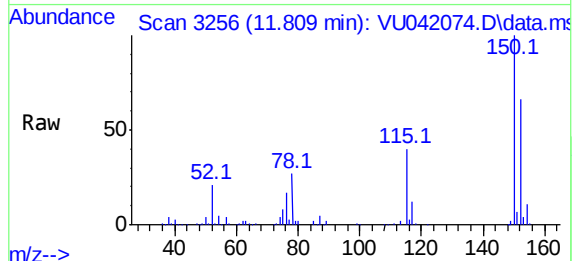




#59
1,2,3-Trichloropropane
Concen: 0.83 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Instrument :
MSVOA_U
ClientSampleId :
BFXT4

Tgt Ion: 75 Resp: 6204
Ion Ratio Lower Upper
75 100
77 36.7 25.6 38.4



#69
Naphthalene
Concen: 0.09 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.006 min
Lab File: VU042074.D
Acq: 15 Jan 2021 15:37

Tgt Ion: 128 Resp: 1552
Ion Ratio Lower Upper
128 100
129 2.7 8.7 13.1#
127 3.0 10.5 15.7#

