

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
 Data File : VU043590.D
 Acq On : 06 May 2021 17:54
 Operator : SY/MD
 Sample : M2267-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

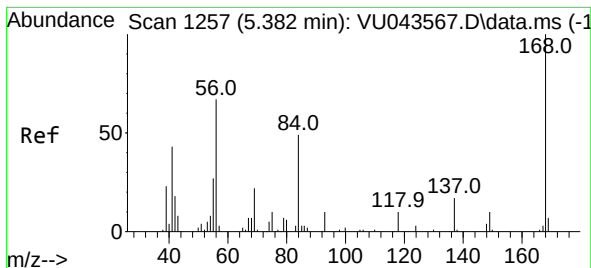
Instrument :
 MSVOA_U
 ClientSampleId :
 PILOT-PLANT-PROCESS-BLEED

Quant Time: May 07 02:06:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	119163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	210958	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	200169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	92517	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	121222	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
35) Dibromofluoromethane	5.298	113	81903	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
50) Toluene-d8	7.906	98	292529	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	10.639	95	107568	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
Target Compounds						Qvalue
3) Chloromethane	1.527	50	654	0.61	ug/l	98
4) Vinyl Chloride	1.607	62	22115	11.69	ug/l	99
6) Chloroethane	1.932	64	565	0.47	ug/l #	86
11) Tert butyl alcohol	3.195	59	1242	1.92	ug/l #	73
13) Acrolein	2.491	56	2052	13.08	ug/l	98
14) Allyl chloride	2.896	41	1122	0.32	ug/l #	30
16) Acetone	2.633	43	4543	3.39	ug/l	94
18) Methyl Acetate	2.961	43	2579	0.84	ug/l #	77
20) Methylene Chloride	3.054	84	882	0.47	ug/l	90
23) Vinyl Acetate	3.957	43	472	10.02	ug/l #	78
25) 2-Butanone	4.713	43	3929	1.90	ug/l	94
29) Tetrahydrofuran	5.060	42	56218	47.96	ug/l	99
30) Chloroform	5.099	83	2891	0.87	ug/l	99
31) Cyclohexane	5.378	56	3354	1.16	ug/l #	14
36) 1,1-Dichloropropene	5.587	75	2495	1.04	ug/l #	43
37) Ethyl Acetate	4.806	43	129369	31.89	ug/l #	75
38) Carbon Tetrachloride	5.382	117	13045	5.37	ug/l #	17
41) Methacrylonitrile	5.057	41	34325	15.95	ug/l #	53
42) 1,2-Dichloroethane	5.803	62	2551	0.81	ug/l #	80
48) Methyl methacrylate	6.970	41	632	0.21	ug/l #	42
49) 1,4-Dioxane	6.967	88	25450	487.71	ug/l	96
51) 4-Methyl-2-Pentanone	7.700	43	85	19.20	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.520	63	1960	24.23	ug/l #	52
59) 2-Hexanone	8.697	43	405	20.81	ug/l #	65
67) Ethyl Benzene	9.423	91	524	1.51	ug/l #	45
74) N-amyl acetate	10.462	43	30855	8.46	ug/l #	55
76) 1,2,3-Trichloropropane	10.639	75	62669	21.30	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	62669	69.38	ug/l #	3
95) Naphthalene	14.105	128	209	1.55	ug/l #	69

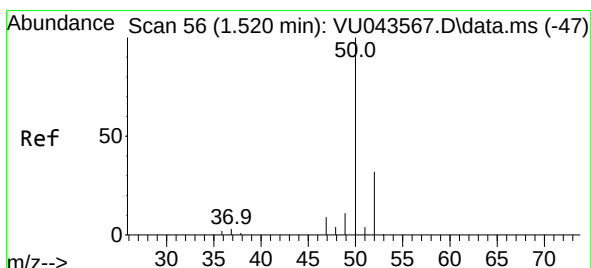
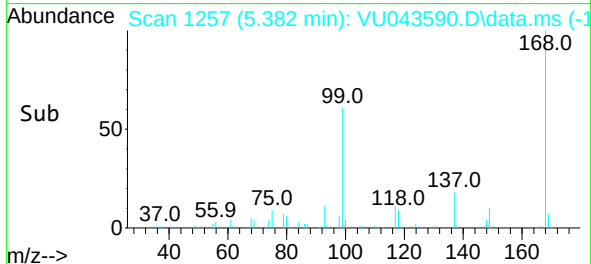
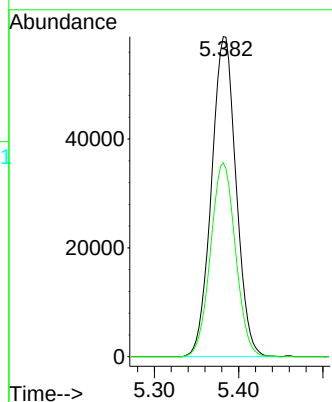
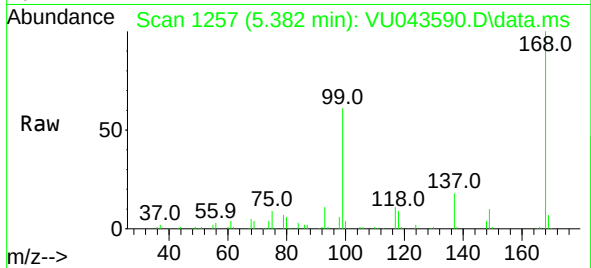
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043590.D
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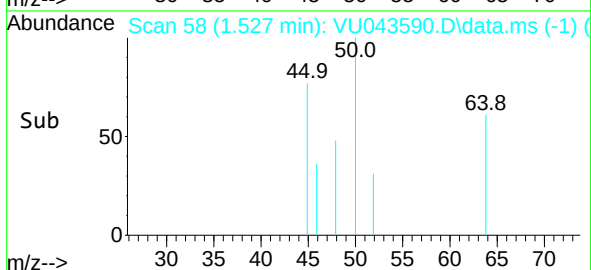
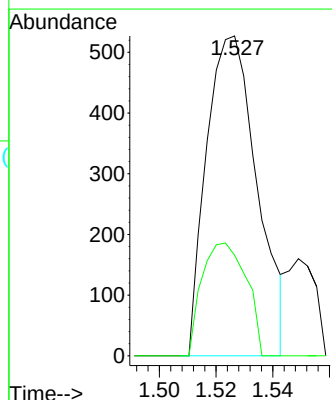
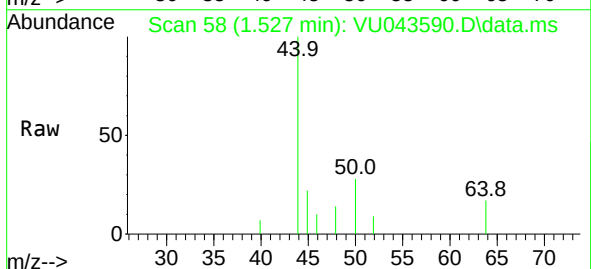
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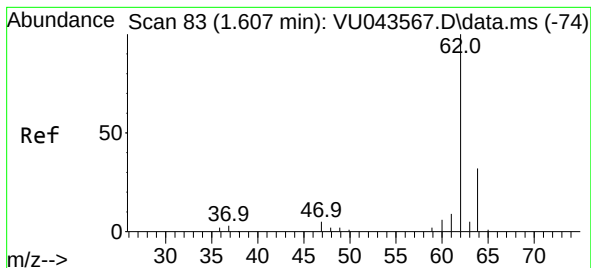
Tgt Ion:168 Resp: 119163
Ion Ratio Lower Upper
168 100
99 60.6 49.0 73.6



#3
Chloromethane
Concen: 0.61 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.007 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 50 Resp: 654
Ion Ratio Lower Upper
50 100
52 31.5 25.9 38.9





#4

Vinyl Chloride

Concen: 11.69 ug/l

RT: 1.607 min Scan# 83

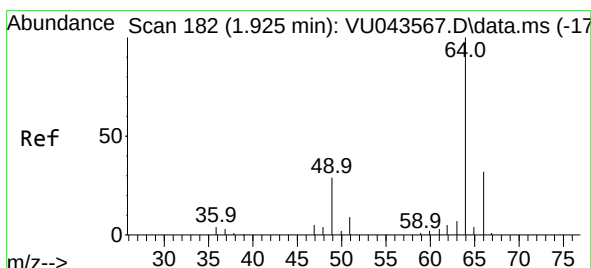
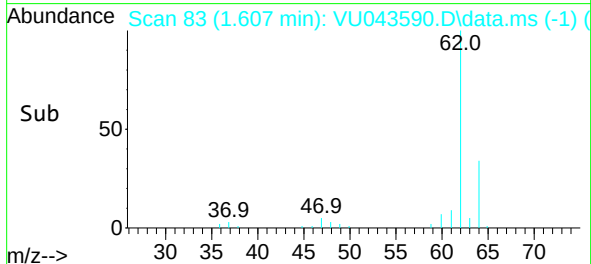
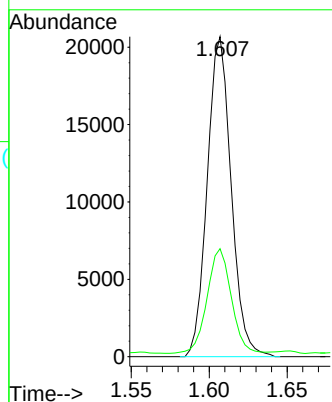
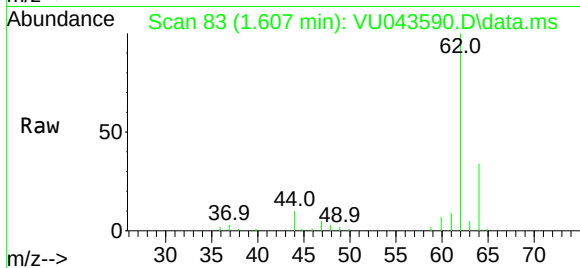
Delta R.T. 0.000 min

Lab File: VU043590.D

Acq: 06 May 2021 17:54

Tgt Ion: 62 Resp: 22115

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.2



#6

Chloroethane

Concen: 0.47 ug/l

RT: 1.932 min Scan# 184

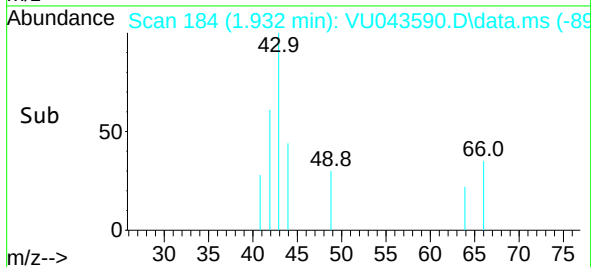
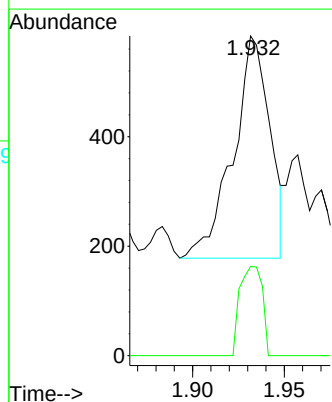
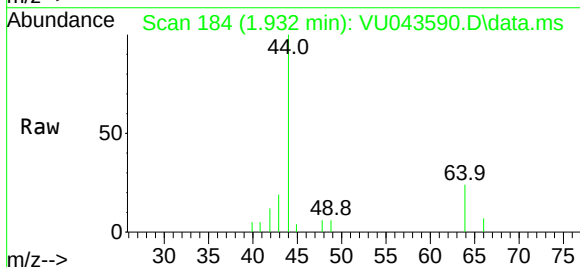
Delta R.T. 0.006 min

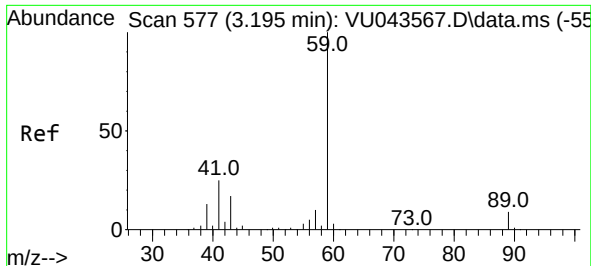
Lab File: VU043590.D

Acq: 06 May 2021 17:54

Tgt Ion: 64 Resp: 565

Ion	Ratio	Lower	Upper
64	100		
66	40.1	25.7	38.5

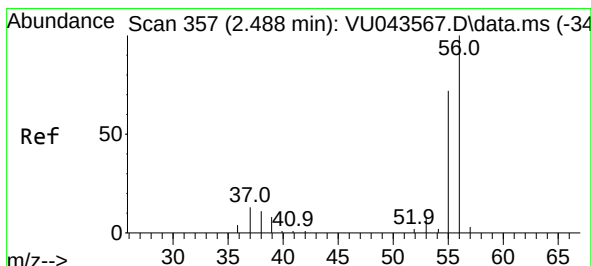
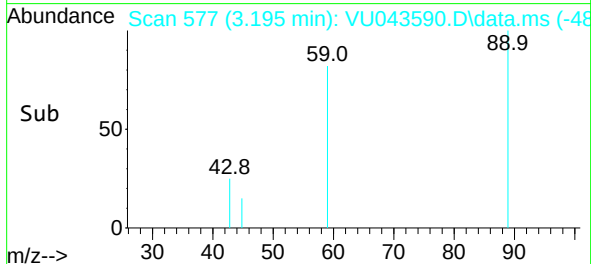
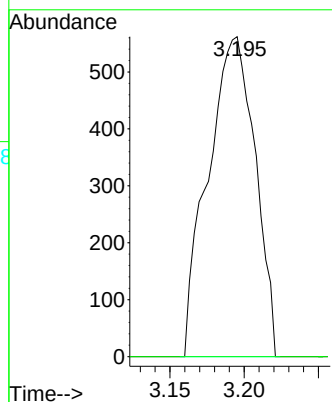
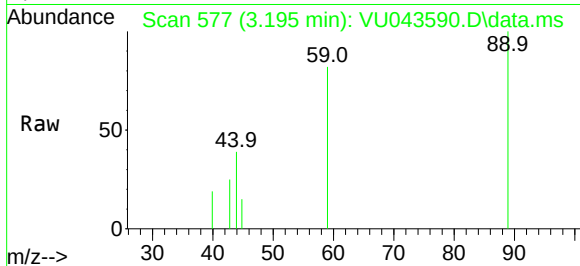




#11
Tert butyl alcohol
Concen: 1.92 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

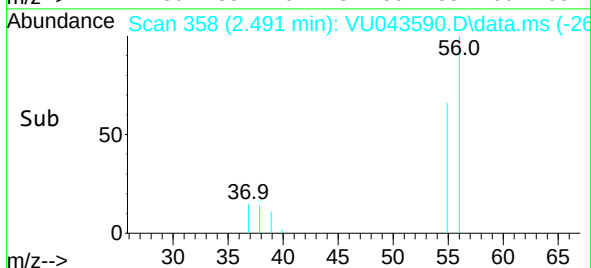
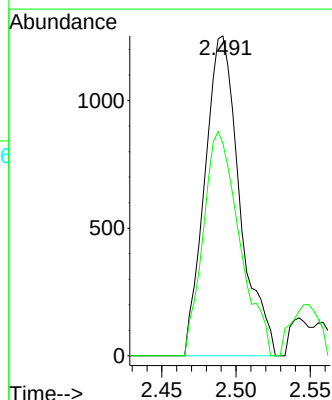
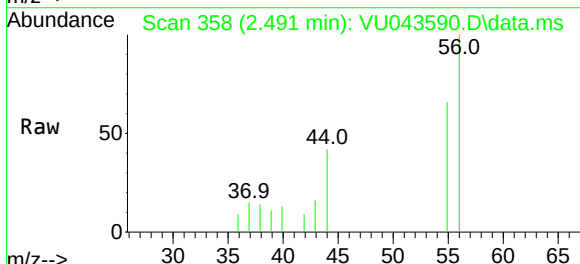
Instrument :
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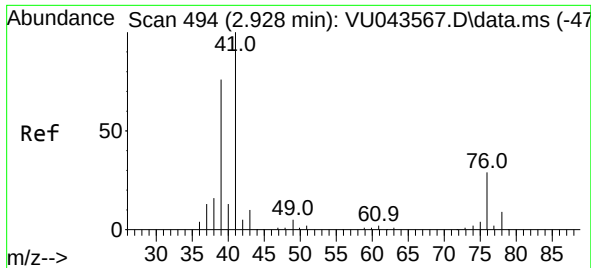
Tgt Ion: 59 Resp: 1242
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 13.08 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 56 Resp: 2052
Ion Ratio Lower Upper
56 100
55 72.5 56.9 85.3

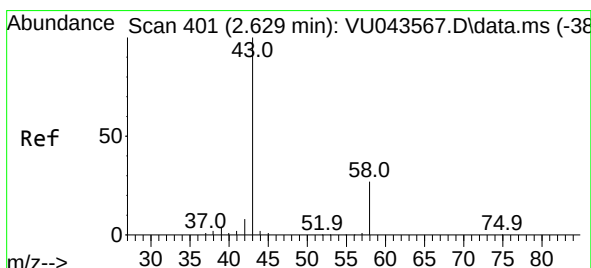
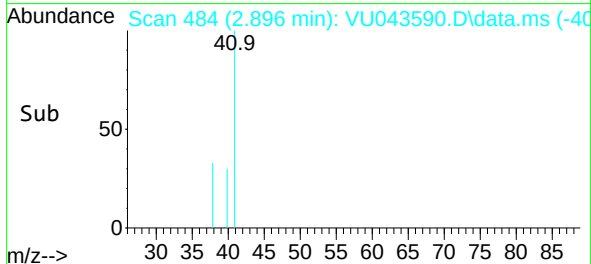
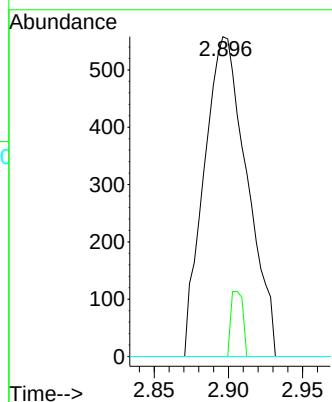
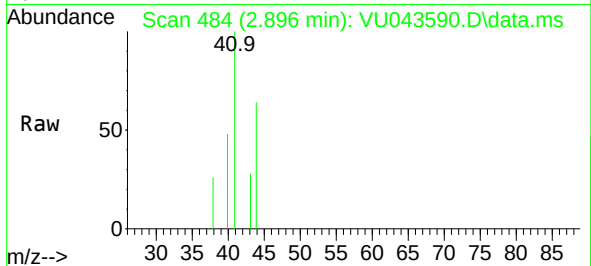




#14
 Allyl chloride
 Concen: 0.32 ug/l
 RT: 2.896 min Scan# 484
 Delta R.T. -0.032 min
 Lab File: VU043590.D
 Acq: 06 May 2021 17:54

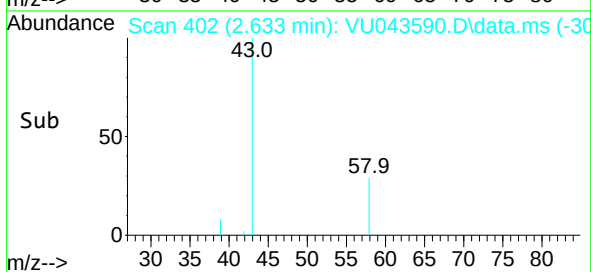
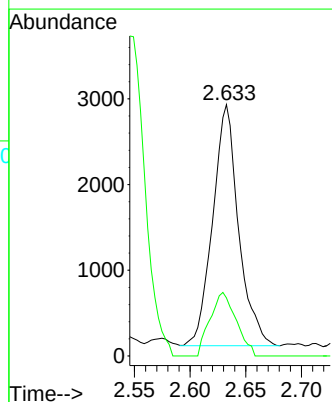
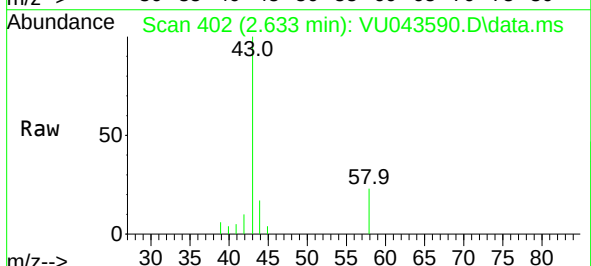
Instrument :
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 ClientSampleId :
 PILOT-PLANT-PROCESS-BLEED

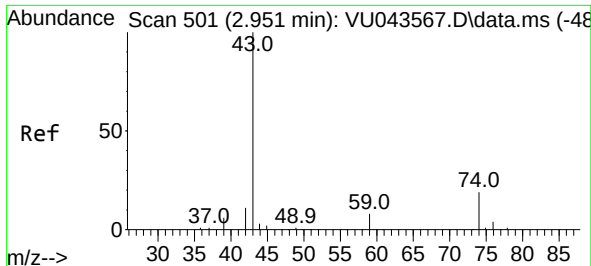
Tgt Ion:	41	Resp:	1122
Ion Ratio	Lower	Upper	
41	100		
39	5.7	54.5	81.7#
76	0.0	19.9	29.9#



#16
 Acetone
 Concen: 3.39 ug/l
 RT: 2.633 min Scan# 402
 Delta R.T. 0.003 min
 Lab File: VU043590.D
 Acq: 06 May 2021 17:54

Tgt Ion:	43	Resp:	4543
Ion Ratio	Lower	Upper	
43	100		
58	24.1	21.7	32.5

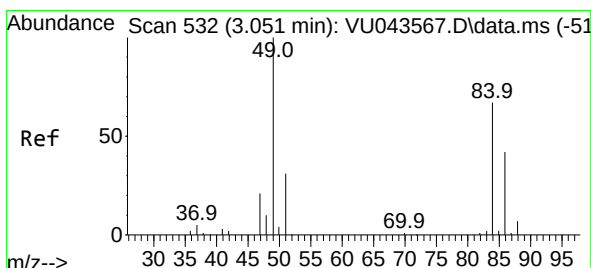
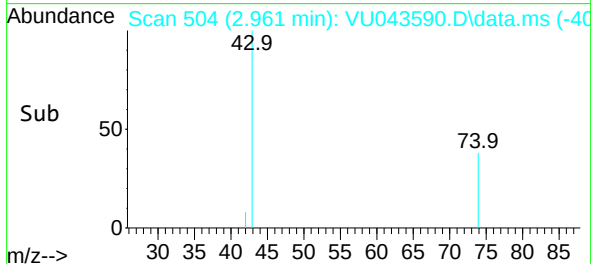
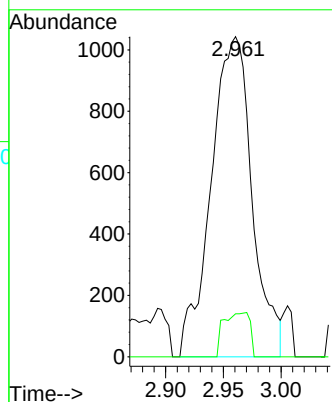
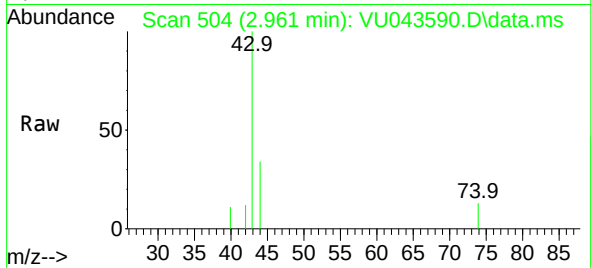




#18
Methyl Acetate
Concen: 0.84 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.010 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

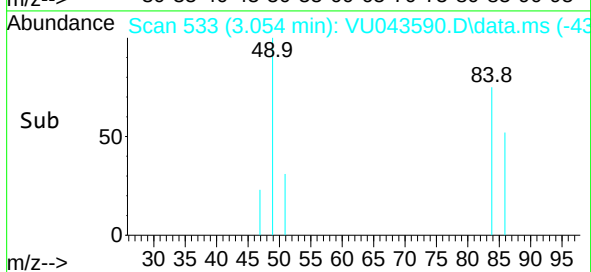
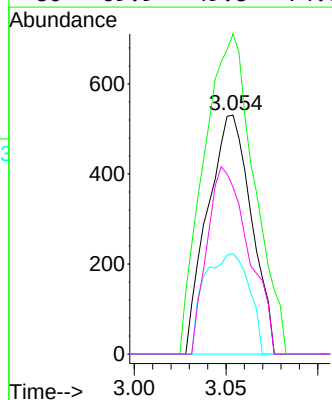
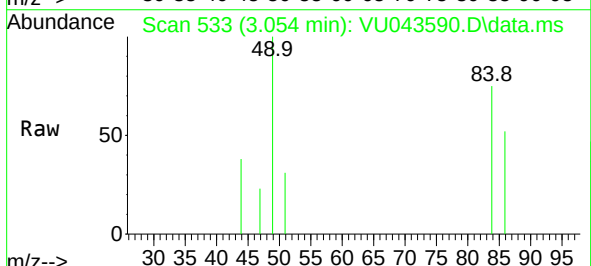
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MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

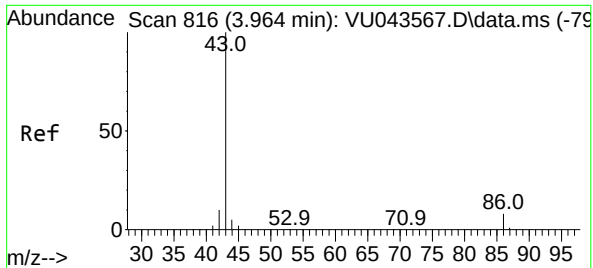
Tgt Ion: 43 Resp: 2579
Ion Ratio Lower Upper
43 100
74 8.8 15.3 22.9#



#20
Methylene Chloride
Concen: 0.47 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 84 Resp: 882
Ion Ratio Lower Upper
84 100
49 133.9 119.0 178.4
51 42.0 36.8 55.2
86 69.9 49.8 74.6

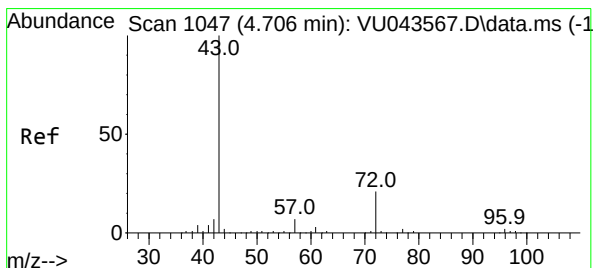
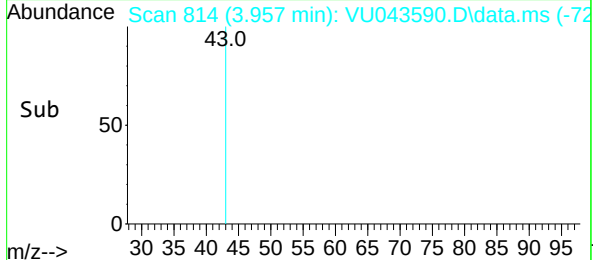
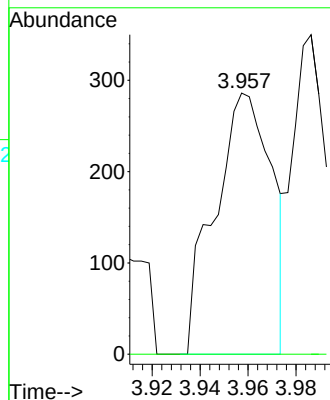
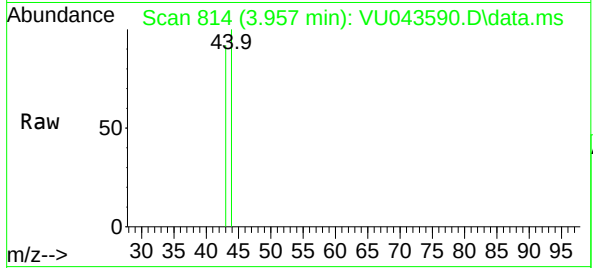




#23
 Vinyl Acetate
 Concen: 10.02 ug/l
 RT: 3.957 min Scan# 814
 Delta R.T. -0.007 min
 Lab File: VU043590.D
 Acq: 06 May 2021 17:54

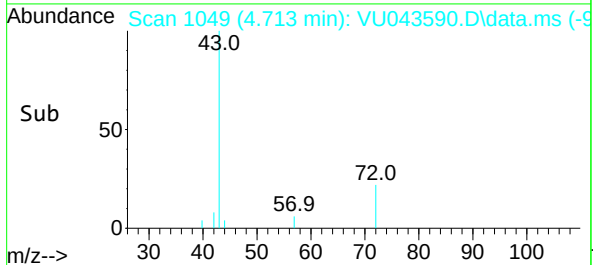
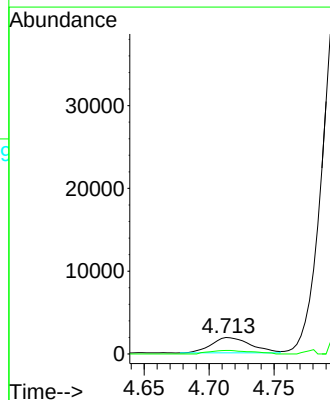
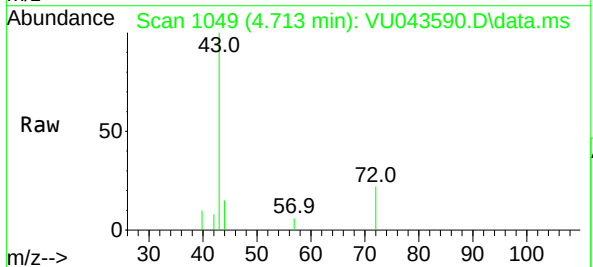
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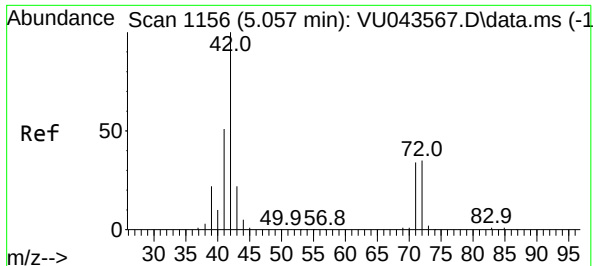
Tgt Ion: 43 Resp: 472
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.2 9.2#



#25
 2-Butanone
 Concen: 1.90 ug/l
 RT: 4.713 min Scan# 1049
 Delta R.T. 0.006 min
 Lab File: VU043590.D
 Acq: 06 May 2021 17:54

Tgt Ion: 43 Resp: 3929
 Ion Ratio Lower Upper
 43 100
 72 23.5 16.5 24.7





#29

Tetrahydrofuran

Concen: 47.96 ug/l

RT: 5.060 min Scan# 1157

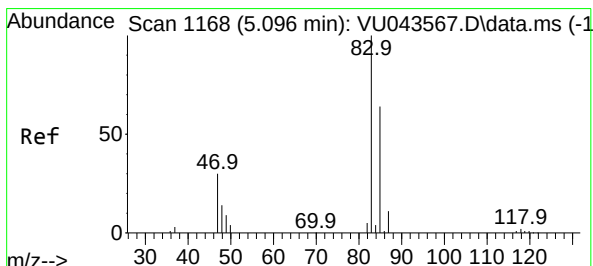
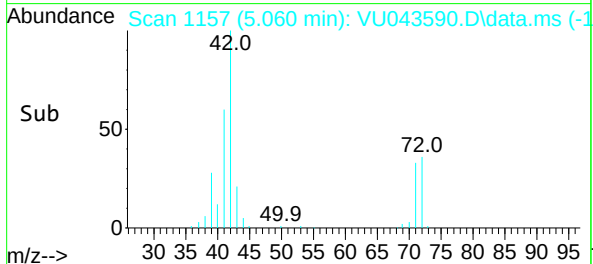
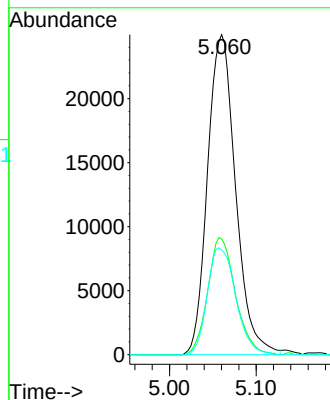
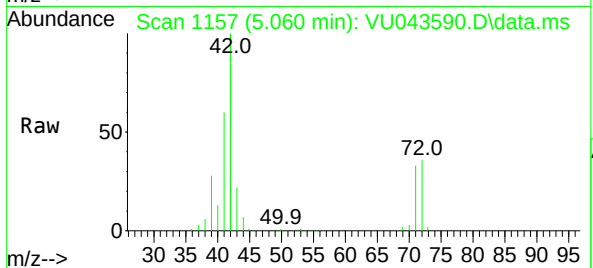
Delta R.T. 0.003 min

Lab File: VU043590.D

Acq: 06 May 2021 17:54

Tgt Ion:	42	Resp:	56218
Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.5	42.7
71	33.9	27.4	41.2

Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED



#30

Chloroform

Concen: 0.87 ug/l

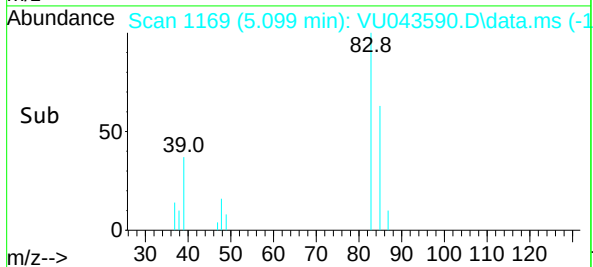
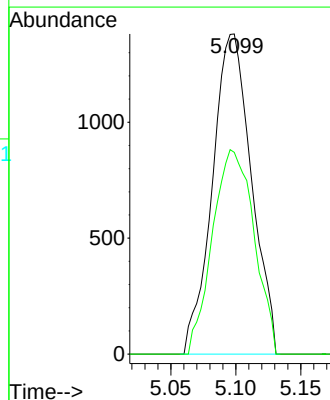
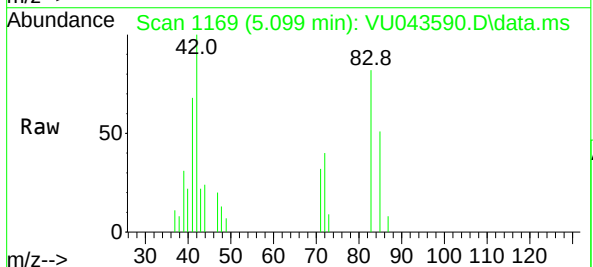
RT: 5.099 min Scan# 1169

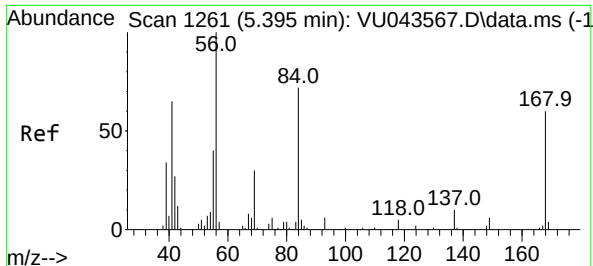
Delta R.T. 0.003 min

Lab File: VU043590.D

Acq: 06 May 2021 17:54

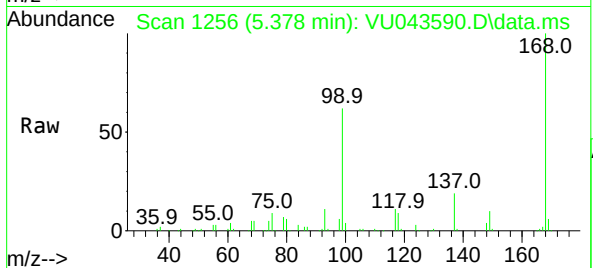
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Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.2	76.8



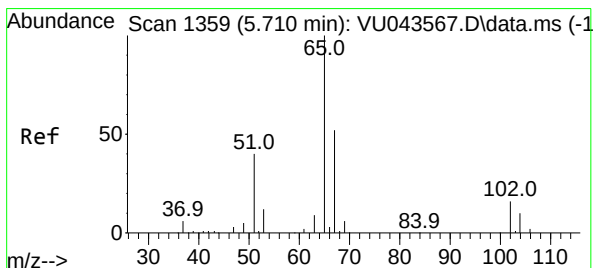
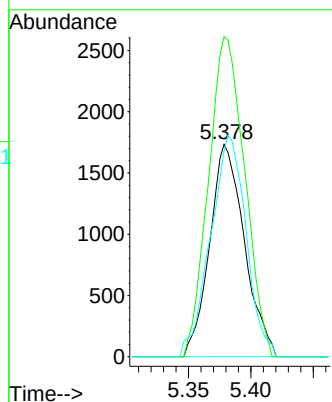
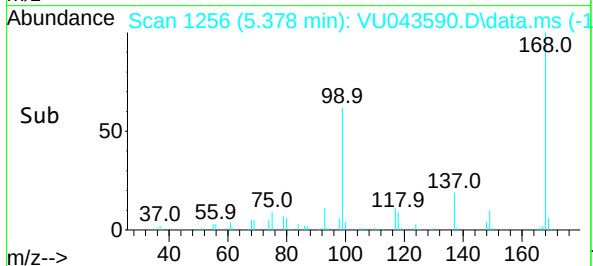


#31
Cyclohexane
Concen: 1.16 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

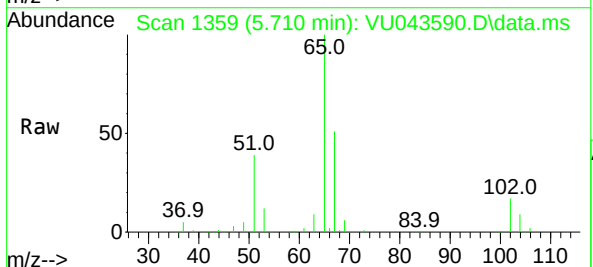
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED



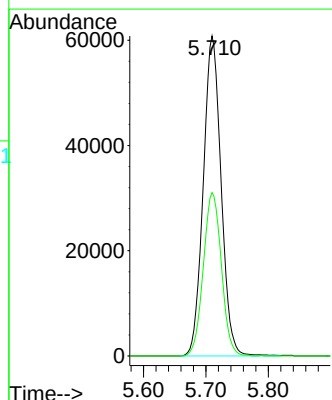
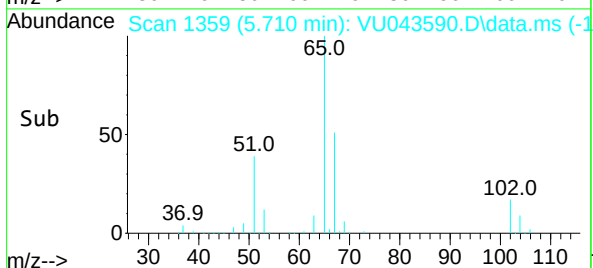
Tgt Ion: 56 Resp: 3354
Ion Ratio Lower Upper
56 100
69 150.7 23.9 35.9#
84 96.9 57.7 86.5#

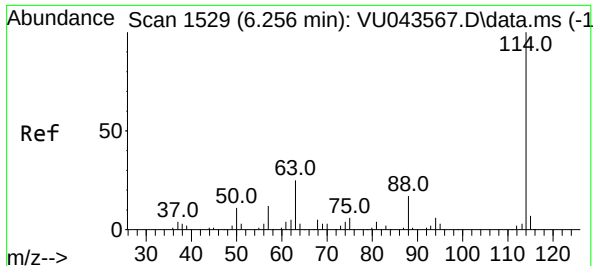


#33
1,2-Dichloroethane-d4
Concen: 50.25 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54



Tgt Ion: 65 Resp: 121222
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

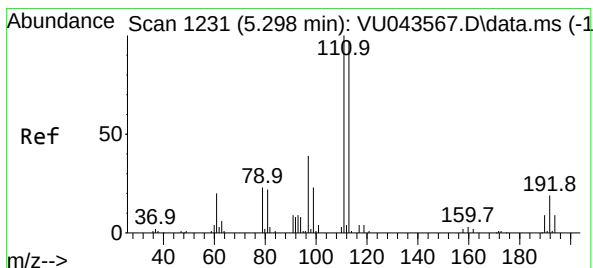
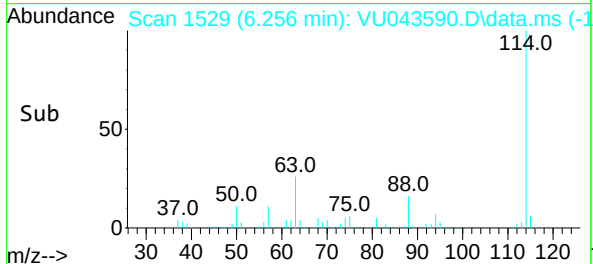
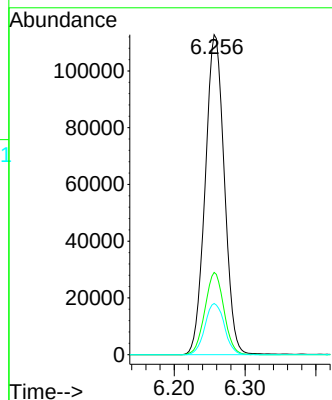
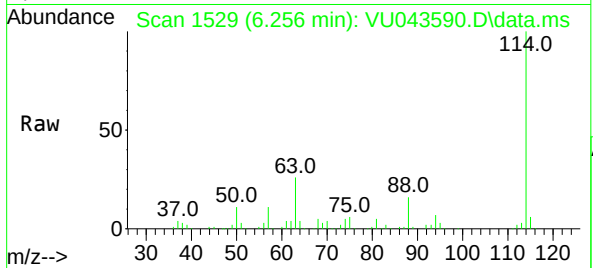




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

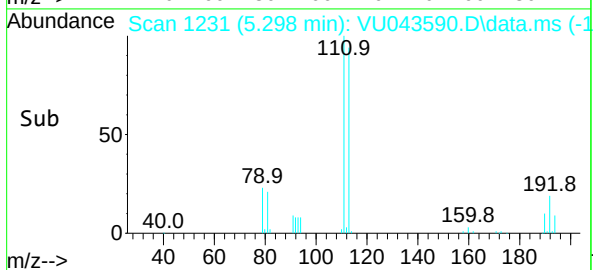
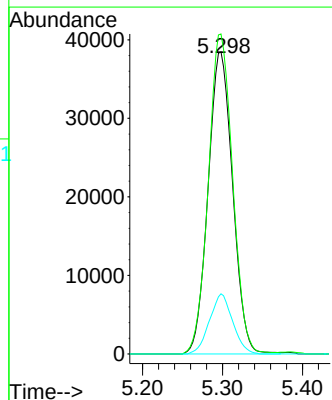
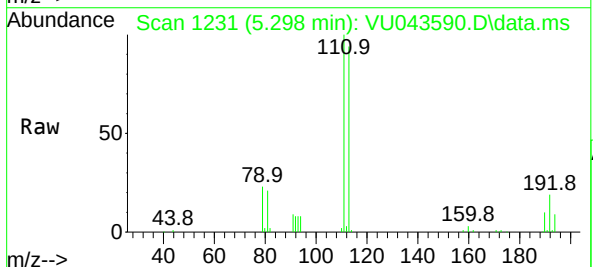
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

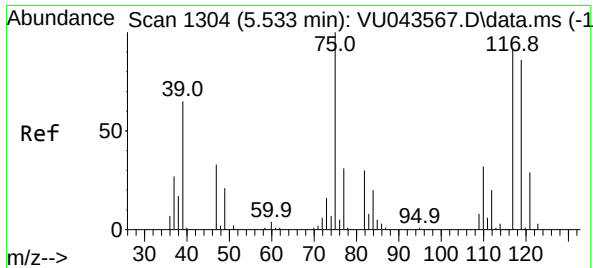
Tgt Ion:114 Resp: 210958
Ion Ratio Lower Upper
114 100
63 25.7 0.0 50.2
88 16.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.68 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion:113 Resp: 81903
Ion Ratio Lower Upper
113 100
111 105.0 82.3 123.5
192 18.8 15.8 23.6

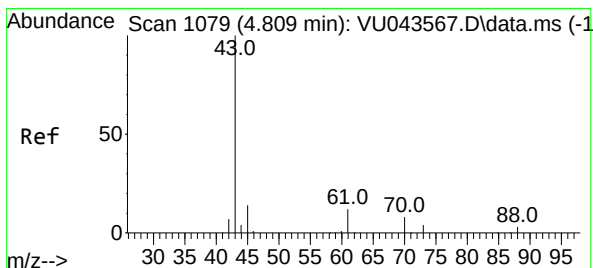
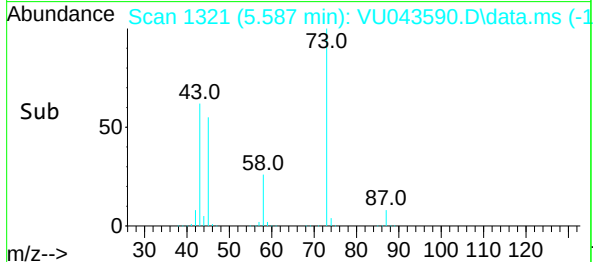
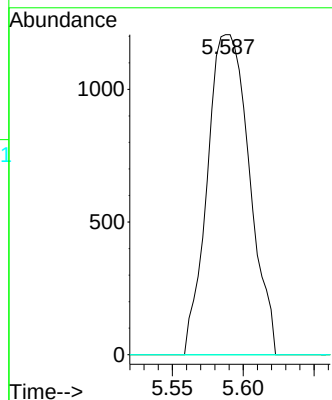
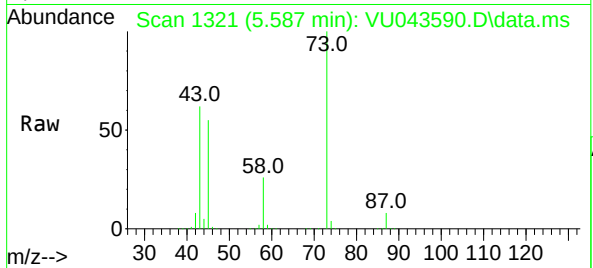




#36
1,1-Dichloropropene
Concen: 1.04 ug/l
RT: 5.587 min Scan# 1321
Delta R.T. 0.055 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

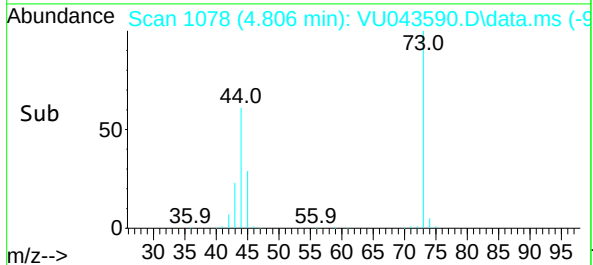
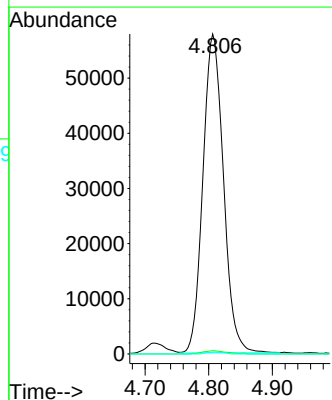
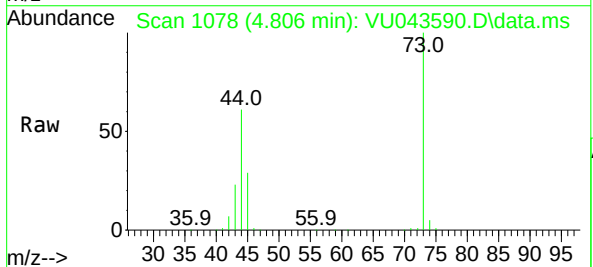
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

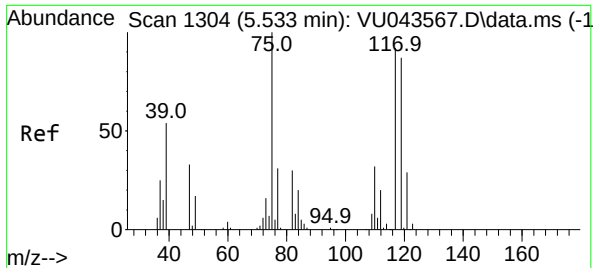
Tgt Ion: 75 Resp: 2495
Ion Ratio Lower Upper
75 100
110 0.0 16.2 48.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 31.89 ug/l
RT: 4.806 min Scan# 1078
Delta R.T. -0.003 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

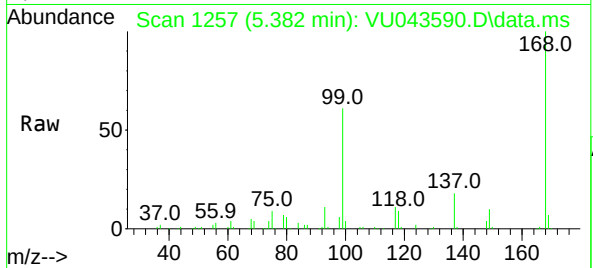
Tgt Ion: 43 Resp: 129369
Ion Ratio Lower Upper
43 100
61 1.1 9.7 14.5#
70 0.5 6.5 9.7#



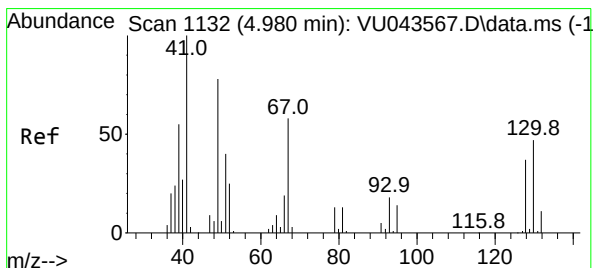
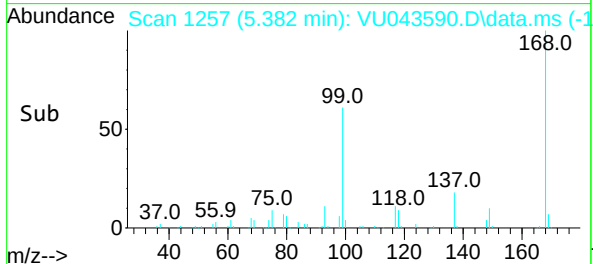
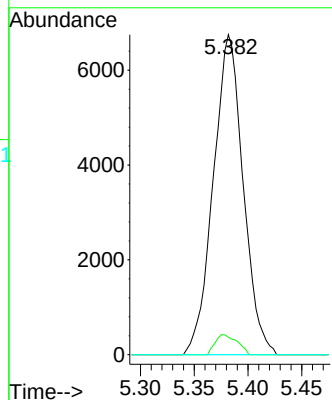


#38
Carbon Tetrachloride
Concen: 5.37 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Instrument :
MSVOA_U
ClientSampled :
PILOT-PLANT-PROCESS-BLEED

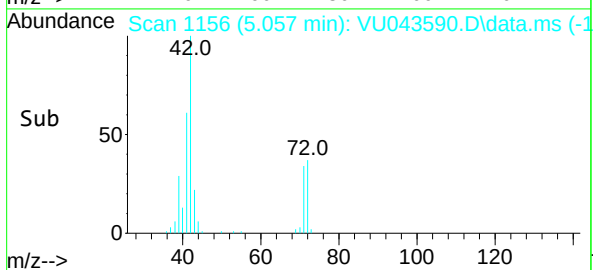
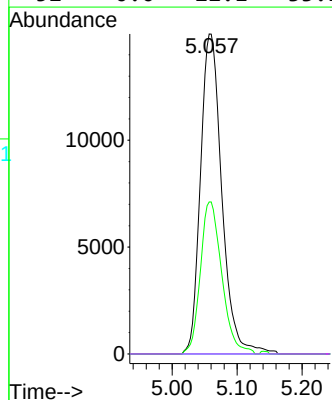
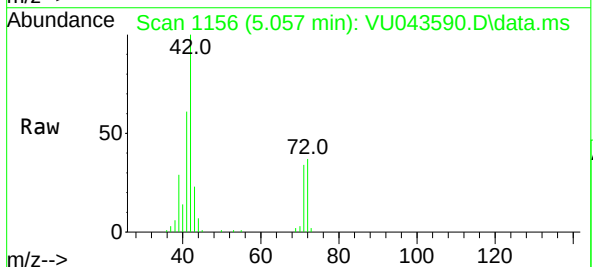


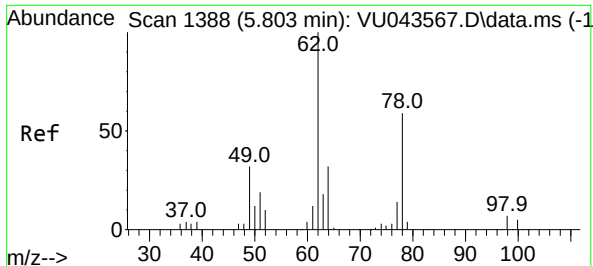
Tgt Ion:117 Resp: 13045
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 25.2 37.8#



#41
Methacrylonitrile
Concen: 15.95 ug/l
RT: 5.057 min Scan# 1156
Delta R.T. 0.077 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 41 Resp: 34325
Ion Ratio Lower Upper
41 100
39 47.7 45.8 68.6
67 0.0 46.5 69.7#
52 0.0 22.1 33.1#





#42

1,2-Dichloroethane

Concen: 0.81 ug/l

RT: 5.803 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VU043590.D

Acq: 06 May 2021 17:54

Tgt Ion: 62 Resp: 2551

Ion Ratio Lower Upper

62 100

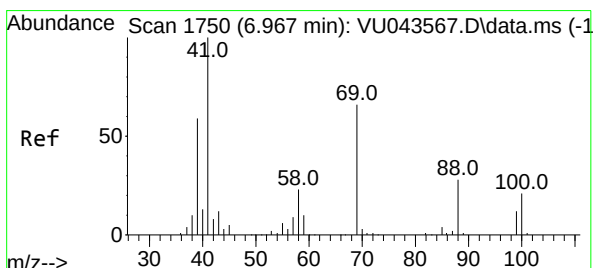
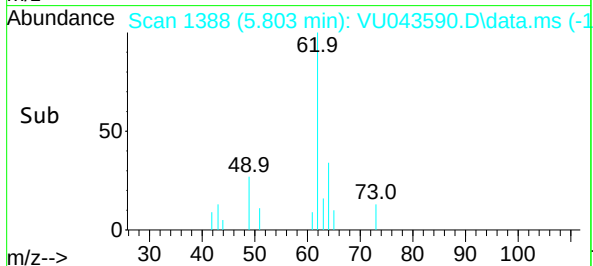
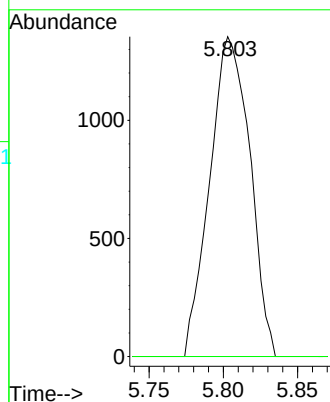
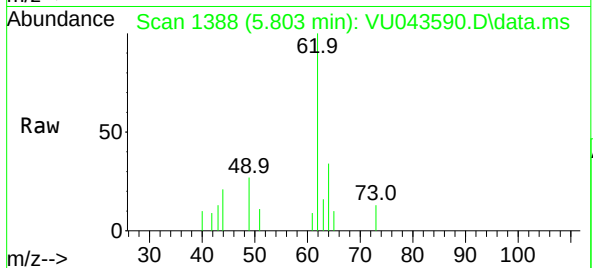
98 0.0 0.0 13.8

Instrument :

MSVOA_U

ClientSampleId :

PILOT-PLANT-PROCESS-BLEED



#48

Methyl methacrylate

Concen: 0.21 ug/l

RT: 6.970 min Scan# 1751

Delta R.T. 0.003 min

Lab File: VU043590.D

Acq: 06 May 2021 17:54

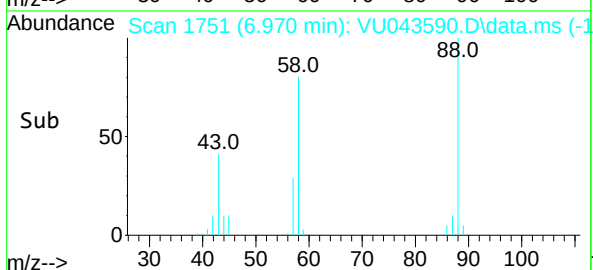
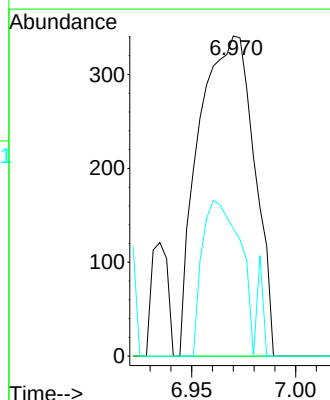
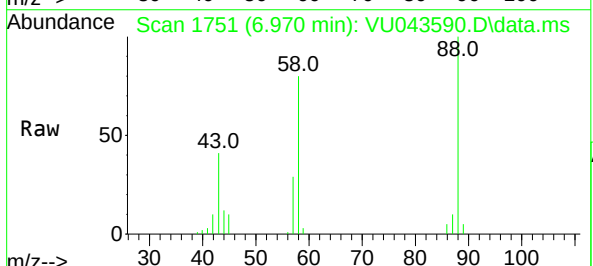
Tgt Ion: 41 Resp: 632

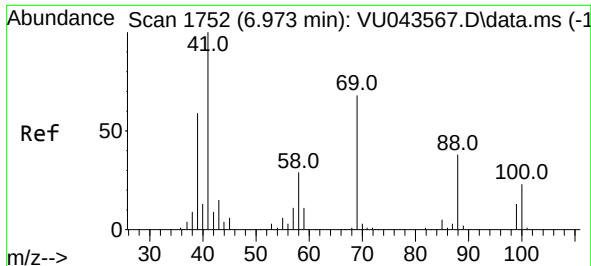
Ion Ratio Lower Upper

41 100

69 0.0 52.8 79.2#

39 36.4 47.0 70.6#





#49

1,4-Dioxane

Concen: 487.71 ug/l

RT: 6.967 min Scan# 1750

Delta R.T. -0.006 min

Lab File: VU043590.D

Acq: 06 May 2021 17:54

Tgt Ion: 88 Resp: 25450

Ion Ratio Lower Upper

88 100

43 40.9 33.6 50.4

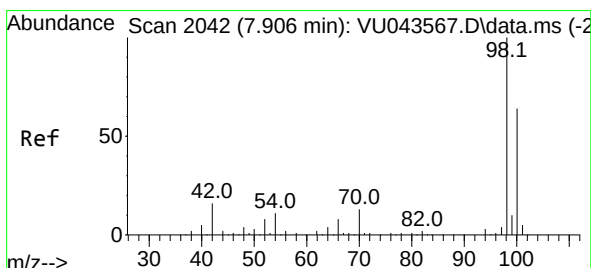
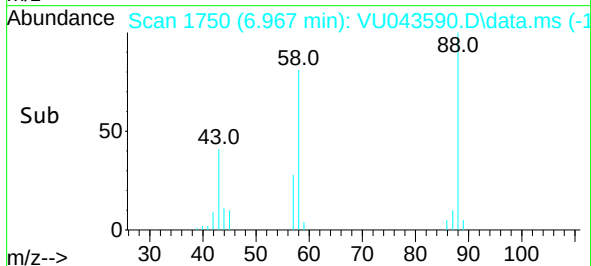
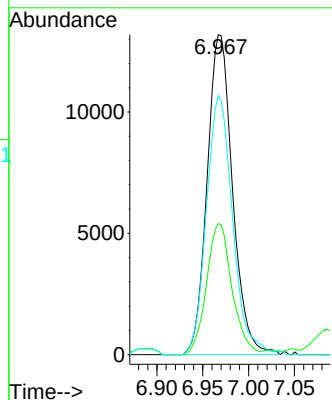
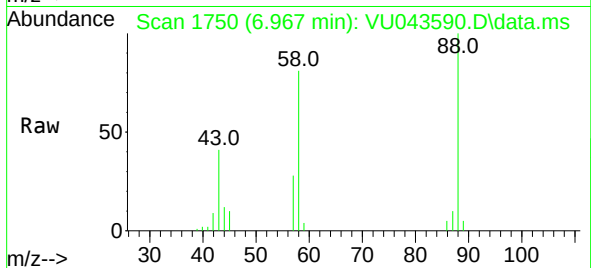
58 83.3 62.7 94.1

Instrument :

MSVOA_U

ClientSampleId :

PILOT-PLANT-PROCESS-BLEED



#50

Toluene-d8

Concen: 49.04 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU043590.D

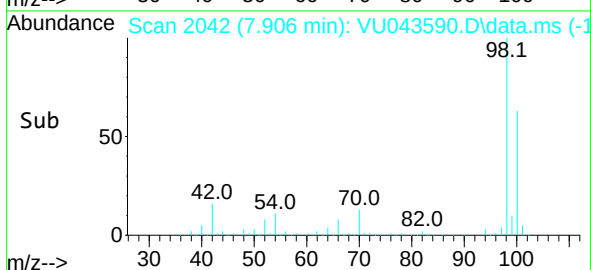
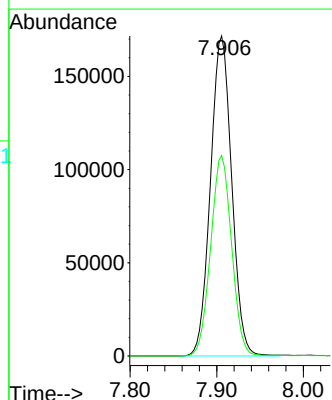
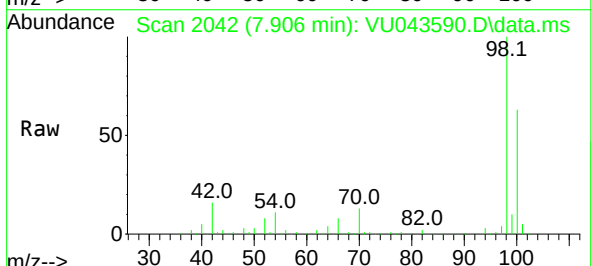
Acq: 06 May 2021 17:54

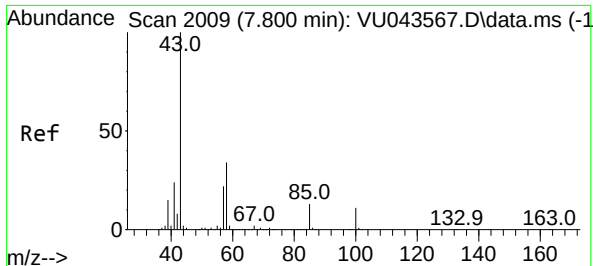
Tgt Ion: 98 Resp: 292529

Ion Ratio Lower Upper

98 100

100 61.8 50.5 75.7

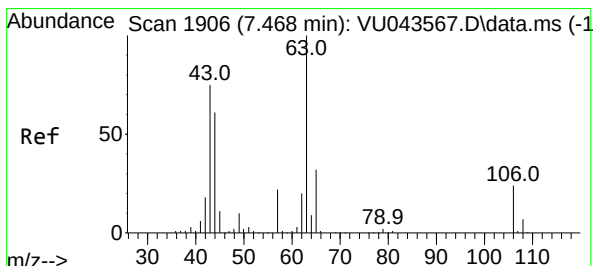
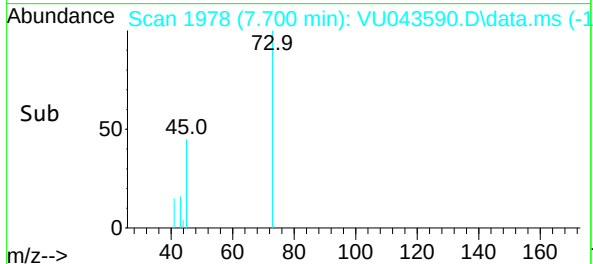
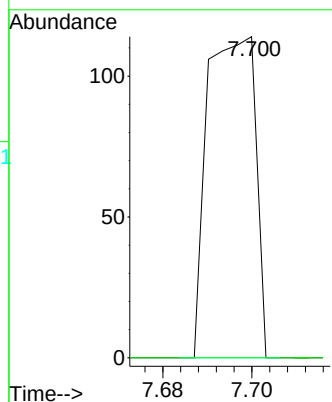
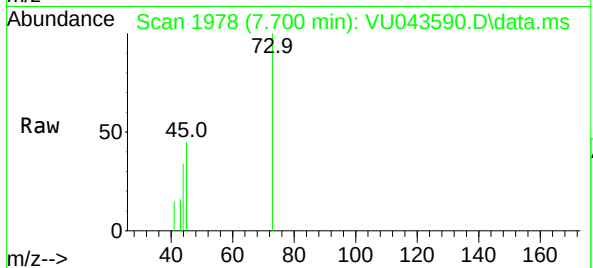




#51
4-Methyl-2-Pentanone
Concen: 19.20 ug/l
RT: 7.700 min Scan# 1978
Delta R.T. -0.100 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

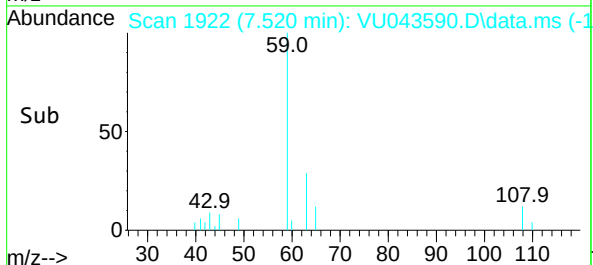
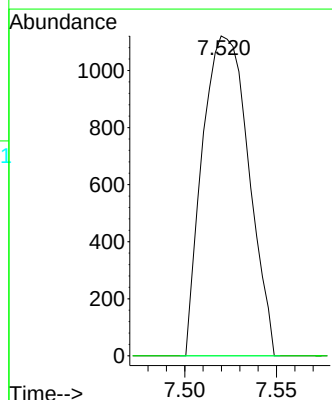
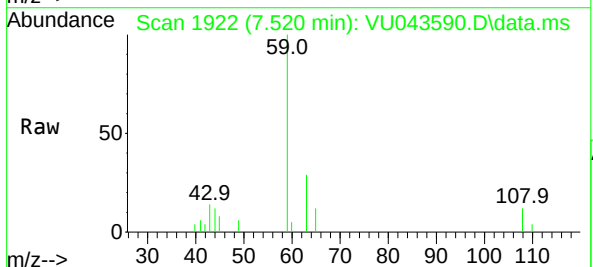
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

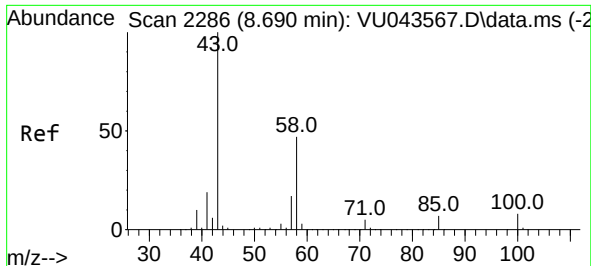
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#58
2-Chloroethyl Vinyl ether
Concen: 24.23 ug/l
RT: 7.520 min Scan# 1922
Delta R.T. 0.052 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 63 Resp: 1960
Ion Ratio Lower Upper
63 100
106 0.0 18.6 28.0#

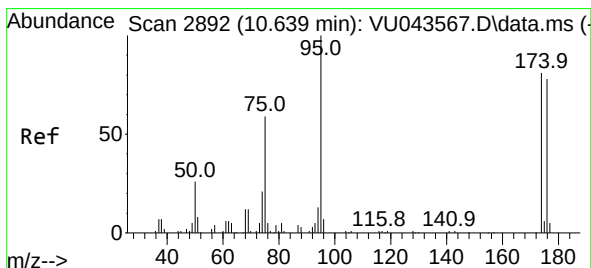
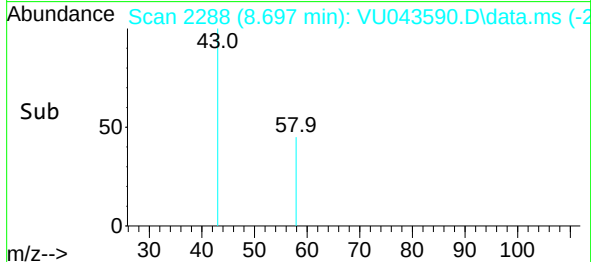
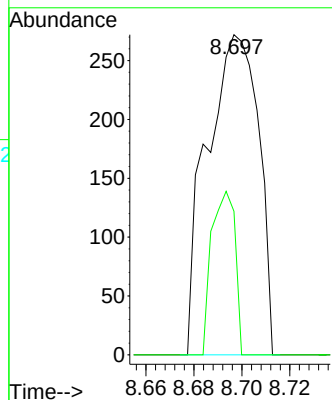
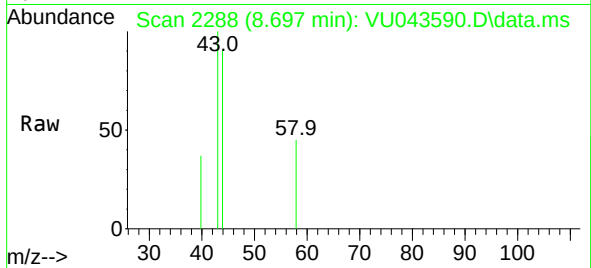




#59
2-Hexanone
Concen: 20.81 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.007 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

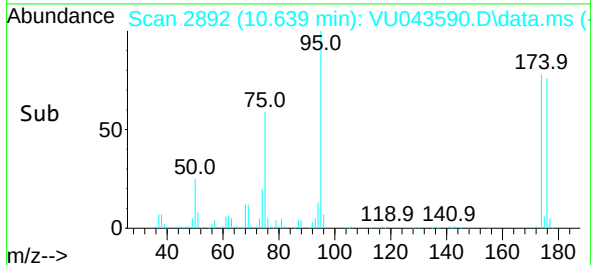
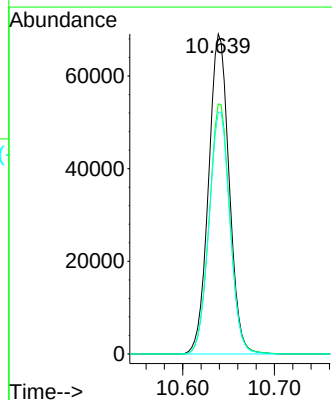
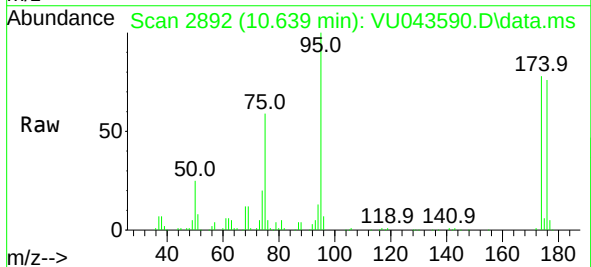
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

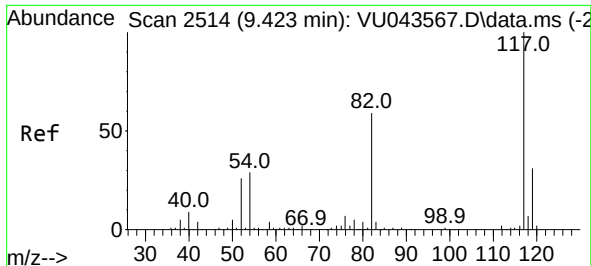
Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
58 23.2 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: 47.40 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 95 Resp: 107568
Ion Ratio Lower Upper
95 100
174 78.9 0.0 158.8
176 76.9 0.0 155.6

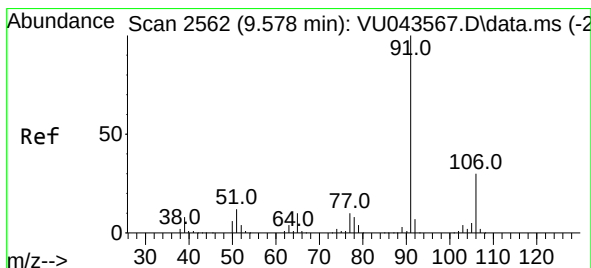
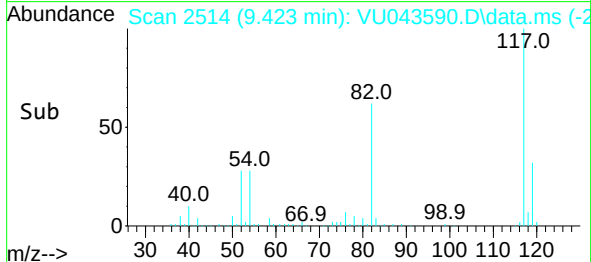
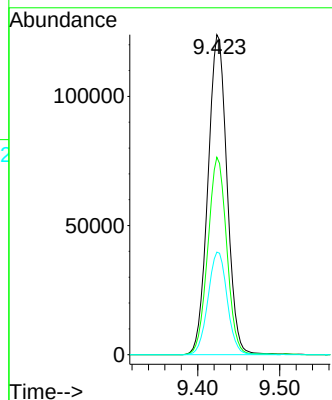
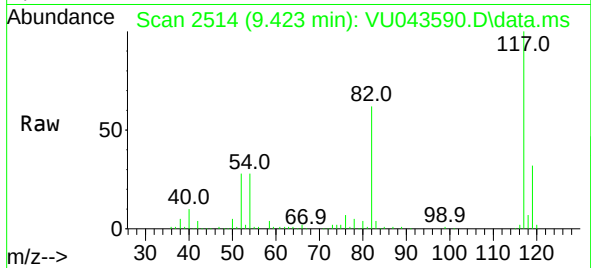




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

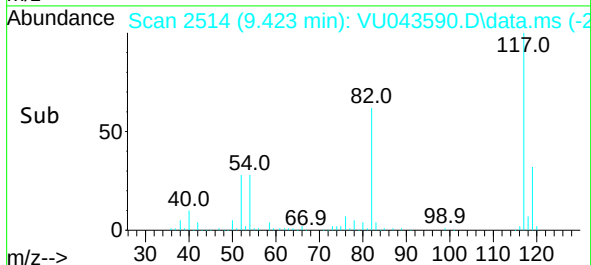
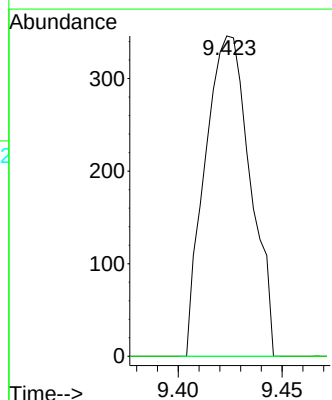
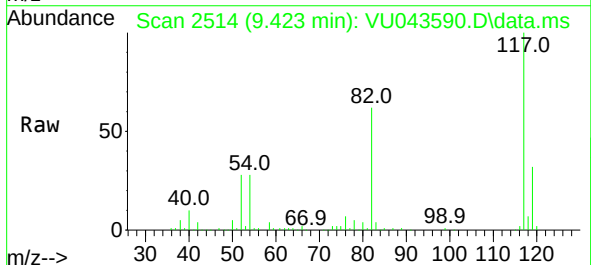
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

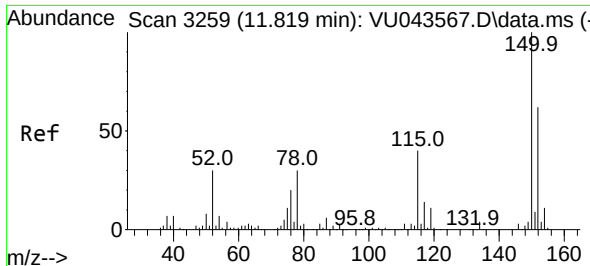
Tgt Ion:117 Resp: 200169
Ion Ratio Lower Upper
117 100
82 61.7 47.5 71.3
119 32.0 24.7 37.1



#67
Ethyl Benzene
Concen: 1.51 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.155 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 91 Resp: 524
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#

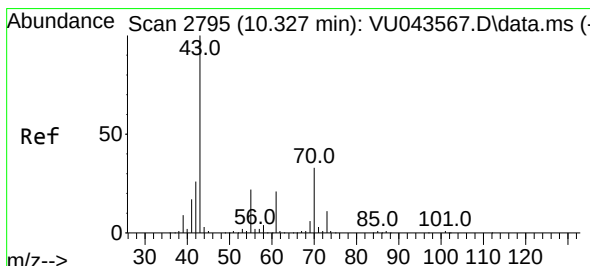
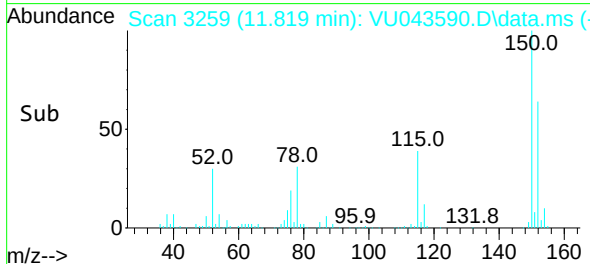
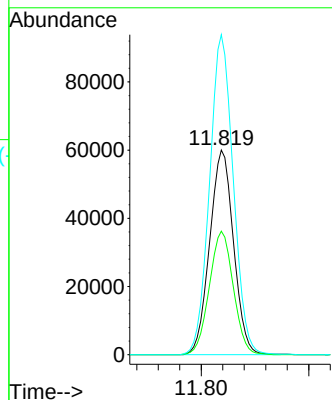
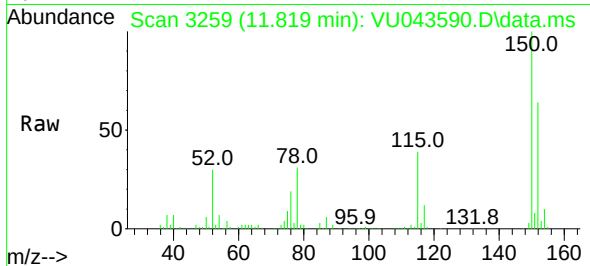




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

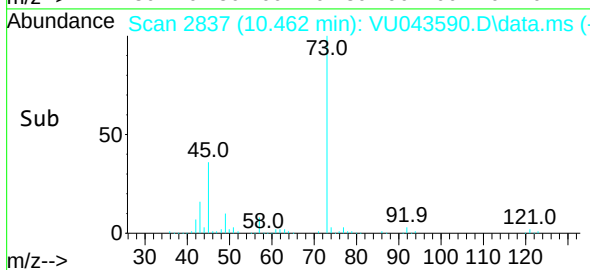
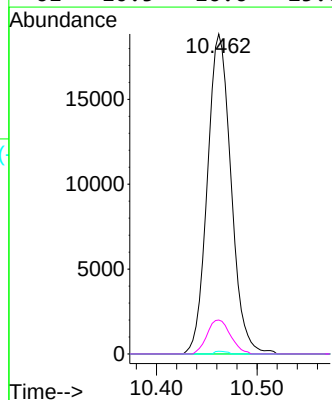
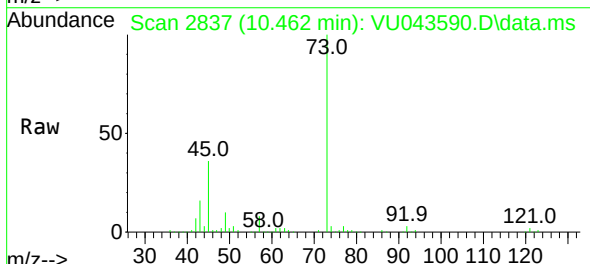
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

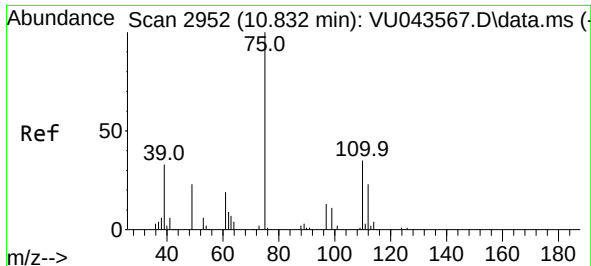
Tgt Ion:152 Resp: 92517
Ion Ratio Lower Upper
152 100
115 60.6 46.1 138.3
150 155.2 0.0 361.0



#74
N-ethyl acetate
Concen: 8.46 ug/l
RT: 10.462 min Scan# 2837
Delta R.T. 0.135 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 43 Resp: 30855
Ion Ratio Lower Upper
43 100
70 0.0 26.4 39.6#
55 0.4 18.0 27.0#
61 10.5 16.6 25.0#

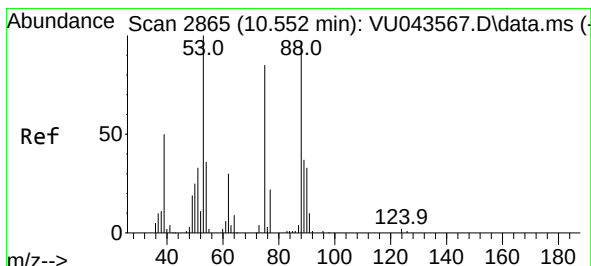
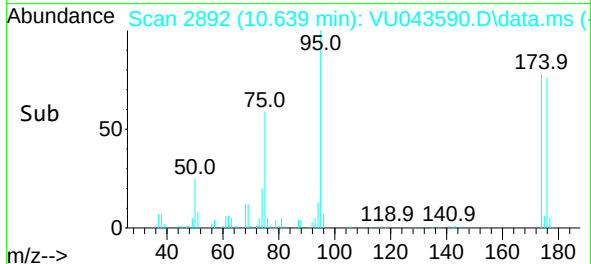
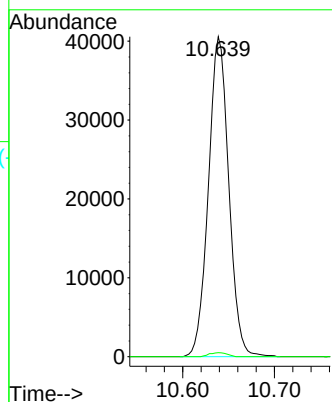
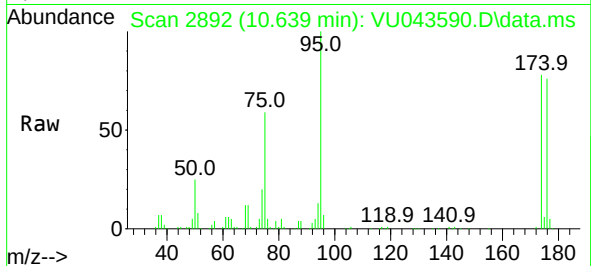




#76
1,2,3-Trichloropropane
Concen: 21.30 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

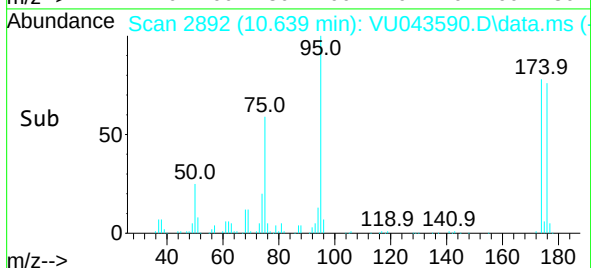
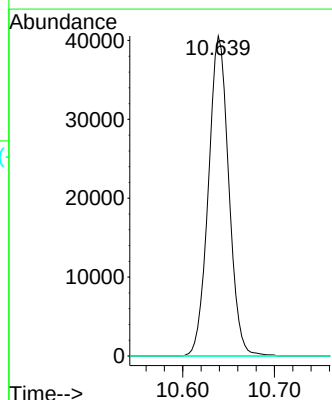
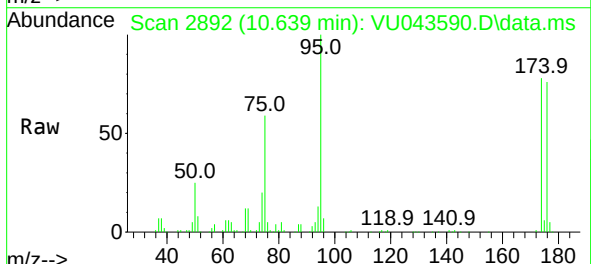
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

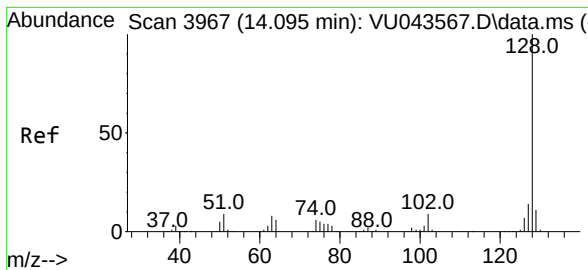
Tgt Ion: 75 Resp: 62669
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.38 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043590.D
Acq: 06 May 2021 17:54

Tgt Ion: 75 Resp: 62669
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#





#95
 Naphthalene
 Concen: 1.55 ug/l
 RT: 14.105 min Scan# 3970
 Delta R.T. 0.010 min
 Lab File: VU043590.D
 Acq: 06 May 2021 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 PILOT-PLANT-PROCESS-BLEED

Tgt Ion:	128	Resp:	209
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	12.8#

